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Assessment of Public Groundwater Supplies in Illinois

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CONTENTS

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by A. P. Visocky, H. A. Wehrmann, and K. W. Kim

ABSTRACT

Illinois aquifers furnish approximately 233 mgd of water to 677 public groundwater supplies outside the six-county area of northeastern Illinois. Groundwater is usually obtained from sand and gravel deposits in the glacial drift or from limestone or sandstone formations in the underlying bedrock. The most favorable groundwater conditions are found in the northern third and the southern tip of the state; elsewhere, major aquifers are sand and gravel deposits of the Mississippi, Illinois, buried Mahomet, Wabash, Ohio, Kaskaskia, and Embarras valleys.

A brief review was made of data and information in the State Water Survey files for each public groundwater supply, and an assessment was given as adequate, marginal, or deficient, in terms of present demands. The study indicated that 39 supplies were marginal, and four were judged deficient in meeting current demands. The majority of the marginal and deficient supplies are located in the central third of the state, but most of the supplies are located there also.

The study represents the first of a three-part plan to: 1) define problem areas and determine priorities for studies in greater detail, 2) conduct regional studies in problem areas, including test drilling, to determine how great the water resource is (how much can be pumped), and 3) determine the water resource alternatives available to public groundwater supplies that are found to be inadequate.

INTRODUCTION

Scope of Study

Illinois aquifers furnish approximately 233 mgd of water to 677 public water supplies outside the six-county area of northeastern Illinois. Obviously, any planning related to the efficient use of this important resource must be made with information on hand as to quantities pumped, aquifers developed, water resource availability, and anticipated water demand.

This report summarizes available information regarding the current status of public groundwater supplies outside of northeastern Illinois. Each supply has been evaluated for its adequacy to meet present day needs by applying flexible criteria and reported operational experiences.

Twenty-four supplies were known to have recently experienced difficulty in meeting demands, and these were selected for additional detailed study. Each supply was evaluated as to its adequacy for meeting the demand for the year 2000, as estimated by the State Division of Water Resources.

This study represents the first phase of a three-part plan by the State Division of Water Resources to: 1) define problem areas and determine priorities for studies in greater detail, 2) conduct regional studies in problem areas, including test drilling, to determine how great the water resource is (how much can be pumped), and 3) determine the water resource alternatives available to public groundwater supplies that are found to be inadequate.

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PUBLIC GROUNDWATER SUPPLIES

Aquifers in Illinois

Groundwater in Illinois is usually obtained from sand and gravel deposits, mainly in the glacial drift, or from limestone or sandstone formations in the underlying bedrock. The most favorable groundwater conditions are found in the northern third of the state, where there are dependable sandstone and limestone aquifers in the bedrock and extensive sand and gravel aquifers in the glacial drift. Similar favorable conditions also occur at the southern tip of the state. In the rest of Illinois, the major aquifers are sand and gravel deposits of the Mississippi, Illinois, buried Mahomet, Wabash, Ohio, Kaskaskia, and Embarras valleys (Water for Illinois, a plan for action, 1967).

Areas where conditions are favorable for drilling wells with large yields (500 gpm or more) in sand and gravel are generally associated with the principal sand and gravel aquifers that are within the major valley systems and in the northern third of Illinois. Sand and gravel aquifers of moderate-to-high permeability that are associated with bedrock uplands or minor bedrock valleys usually yield only moderate supplies (100 gpm or more). Sand and gravel wells in areas with similar conditions, but with deposits of only low to moderate permeabilities, have lower yields (20 gpm or more).

In the northern third of the state, large quantities of groundwater for industrial and municipal use are withdrawn from wells in the deep sandstone aquifers of Cambrian and Ordovician age and from the shallow dolomite aquifers of Silurian and Ordovician age (Water for Illinois a plan for action, 1967) . In the southern two-thirds of the state, where the glacial drift is thin or relatively impermeable, small water supplies are developed from thin beds of sandstone and limestone of Pennsylvanian and Mississippian age. In the southern tip of Illinois, moderate supplies of groundwater may be withdrawn from wells in creviced limestones of Mississippian, Devonian, and Silurian age.

Several hundred industrial and municipal wells in the northern third of Illinois take large quantities of groundwater from deep sandstone aquifers. Deep sandstone wells often have yields exceeding 700 gpm. Most high-capacity deep sandstone wells in the northern part of the state tap several units and are multi-unit wells. The Galena-Platteville Dolomite, Glenwood-St. Peter Sandstone, and Prairie du Chien Group of Ordovician age and the Eminence-Potosi Dolomite, Franconia Formation, Ironton-Galesville Sandstone, and Mt. Simon Sandstone of Cambrian age yield appreciable quantities of water. Water from the deep sandstone is highly mineralized south of the Illinois River. In parts of northern Illinois, yields of deep sandstone wells are increased by penetrating into the Mt. Simon aquifer (lower sandstones of the Eau Claire Formation and upper beds of the Mt. Simon Sandstone). No water wells have penetrated the entire thickness of the Mt. Simon in Illinois, because water below an elevation of about 1300 feet below sea level is commonly too salty for municipal use.

Shallow dolomite aquifers of Silurian age and the Galena-Platteville Dolomite of Ordovician age are the main sources of groundwater for many moderate-to-large public and industrial supplies in the northern third of Illinois. Despite the fact that these shallow dolomite aquifers are inconsistent in productivity and the yields of wells vary greatly from place to place, shallow dolomite wells have been prolific sources of water for over 75 years.

In the southern two-thirds of Illinois, thin sandstone and limestone beds of Pennsylvanian age and sandstone and limestone formations of Mississippian age yield small quantities of groundwater. Although wells in these rocks commonly yield less than 25 gpm, they are the only source of water for many domestic and small municipal and industrial supplies.

In a small area in extreme southern Illinois, wells which penetrate rocks of Mississippian, Devonian, and Silurian age have yields of 100 to 500 gpm or more.

Adequacy of Public Groundwater Supplies

Criteria for Assessment

The investigation of the adequacy of existing public groundwater supplies proceeded as follows.

1) A list was prepared of all public groundwater supplies outside of the six-county northeastern Illinois area. Subdivisions with estimated populations of 500 or more were included in the study, but state parks and institutions were not.

2) A brief review was made of data and information in the State Water Survey files for each public groundwater supply and an assessment was given as adequate, marginal, or deficient, in terms of present demands. The results of the assessment review are presented in the appendix.

3) Supplies with adequate data for analysis and either designated as marginal or deficient or known to have recently experienced water supply problems were studied in greater detail by the State Geological Survey and the State Water Survey. Aquifer safe yields were estimated for each supply.

4) The aquifer yields were compared with projected water demands for the year 2000 (provided by the State Division of Water Resources) in order to assess the long-term adequacy of these supplies.

5) Recommendations were made by the State Geological Survey for areas in which future groundwater exploration could be undertaken.

The results of the detailed studies (tasks 3-5) are being assessed for presentation in a future report.

The assessment of aquifer adequacy (tasks 1 and 2) for the 677 public groundwater supplies was based on the following criteria.

Adequate Supply - No apparent problems (based on EPA reports) in meeting present demand; usually 10 hours or less pumpage required to produce average daily consumption.

Marginal Supply - Aquifer can supply present demand by operating longer hours: 1) usually 10-18 hours of pumpage required, or 2) several wells with relatively small pumping rates (less than 30 gpm) operate to meet the demand (usually the case where the aquifer is shallow or has low permeability).

Deficient Supply - Aquifer has difficulty supplying present demand: 1) generally 18 hours or more of pumpage is necessary to produce daily consumption, 2) aquifer test data indicate that the aquifer is shallow and of limited areal extent, or 3) need of additional sources of water is indicated by reports of the State Water Survey or the State Environmental Protection Agency.

The criterion of operating time was not a strict one, and the adequate, marginal, or deficient designations overlapped because of other considerations. For instance, one water supply system (Depue-Bureau County) was judged to be adequate, even though 14.7 to 17.5 hours per day were required to meet the average demands. The extenuating factor in this case was that the operating time was caused by limitations in the plant low-service pumps rather than in the wells or aquifer.

Summary of Results

The results of the data review and assessment for the 677 public groundwater supplies studied are tabulated in the appendix.

All facilities with public groundwater supplies or combined surface-groundwater supplies were included except 1) all facilities in the six-county northeastern Illinois area, 2) subdivisions serving less than 500 people, and 3) state parks and state institutions.

Population figures listed in the special census column were from State Environmental Protection Agency Public Water Supply reports, as were the average daily pumpages (although several of the figures for supplies studied in detail were updated by personal telephone communications).

Aquifer descriptions were based on well logs or reports by the State Geological Survey on the groundwater geology of each well field.

Aquifer tests conducted and analyzed by the State Water Survey were labeled SWS.

The results of the study indicated that the 677 public groundwater supplies outside northeastern Illinois have an estimated daily pumpage of 233 million gallons. Among individual counties, Winnebago County topped the list with a pumpage of 43.1 mgd. Other large public groundwater-consuming counties are Peoria (20.7 mgd), Champaign (18.2 mgd), Tazewell (12.3 mgd), and LaSalle (10.1 mgd). The largest individual supply is the city of Rockford, which pumps an average of 37.0 mgd. Seven counties (all in the southern third of the state) have no public groundwater supplies: Clay, Franklin, Hamilton, Jefferson, Johnson, Pope, and Williamson. Champaign, LaSalle, Bureau, and Madison Counties have 20 or more supplies each. The largest supplies were generally obtained from major alluvial or bedrock valley deposits.

As summarized in table 1, 39 supplies were assessed as marginal and 4 were judged deficient in meeting current demands. Pumpage from these supplies totaled 5.54 mgd, or 2 percent of the total pumpage from the 677 supplies that were assessed. The four supplies assessed as being deficient were all either from shallow bedrock (limestone or thin sandstone) aquifers or from a combined shallow-bedrock/sand-and-gravel aquifer system. Nine of the marginal supplies were from shallow bedrock aquifers and 28 were from limited sand-and-gravel aquifers such as narrow bedrock-valley deposits. One marginal supply was obtained from two sources: a shallow sand-and-gravel deposit and limestone and sandstone units of the Ordovician System. One supply was assessed as marginal because of inadequate facilities, even though the sand-and-gravel aquifer is capable of meeting the water demand of that community. The majority of- the marginal and deficient supplies are located in the central third of the state; however, so are most of the supplies. Thirty counties were found to have one or more supplies that are less than adequate. Adams, Champaign, Henry, Madison, and Pike Counties all have three such supplies, while counties with two less-than-adequate supplies include Effingham, Montgomery, and Vermilion. Figure 1 indicates the number of public groundwater supplies in each county as well as the number of marginal and deficient supplies; figure 2 shows locations of the marginal and deficient supplies.

Discussion

The study proved useful in indicating the generally adequate nature of most groundwater supplies throughout the state. Of greater importance, however, were the data obtained concerning areas of the state in which future groundwater supply shortages might appear. With such problem areas in view, the state can assist those communities in planning for adequate water supplies. Phase 2 of the overall plan calls for test drilling at sites recommended by the State Geological Survey to define aquifer limits and/or locate new aquifers. After test drilling is completed, the magnitude of the available resource (how much water can safely be withdrawn) will be estimated. For communities whose water supplies are still deemed inadequate in meeting projected needs, other alternatives will be investigated.

Illinois aquifers have in the past furnished abundant water supplies to municipalities and industries and continue to do so in most localities today. Communities that have experienced shortages (or that might at some future date) can now, with the information gathered in these studies, look forward with less uncertainty to meeting their anticipated water needs.

Table 1. Groundwater Supplies Assessed as Less Than Adequate

County	Supply	Assessment
Adams	Camp Point	D
	Golden	M
	Loraine	M
Brown	Versailles	M
Bureau	Princeton	M
Champaign	Broadlands	M
	Homer	M
	Philo	M
Christian	Edinburg	M
Clinton	Germantown	M
Coles	Lerna	D
Cumberland	Toledo	M
Douglas	Hindsboro	M
Effingham	Dieterich	M
	Watson	M
Fulton	Dunfermline - St. David Water Commission	M
Henry	Bishop Hill	M
	Colona	M
	Osco	M
Lawrence	Birds - Pinkstaff Public Water District	M
Macon	Oreana	M
Madison	Hamel	M
	Marine	M
	Worden	M
McDonough	Colchester	M
McLean	Chenoa	M
Menard	Tallula	M
Montgomery	Farmersville	M
	Fillmore	M
Moultrie	Gays	M
Pike	Baylis	D
	Nebo	M
	Pearl	M
Randolph	Red Bud	M
Richland	Noble	M
Rock Island	Coal Valley	D
Sangamon	DeKalb Agricultural Research, Incorporated	M
Scott	Winchester	M
Shelby	Windsor	M
St. Clair	Millstadt	M
Vermilion	Indianola	M
	Oakwood	M
Warren	Roseville	M

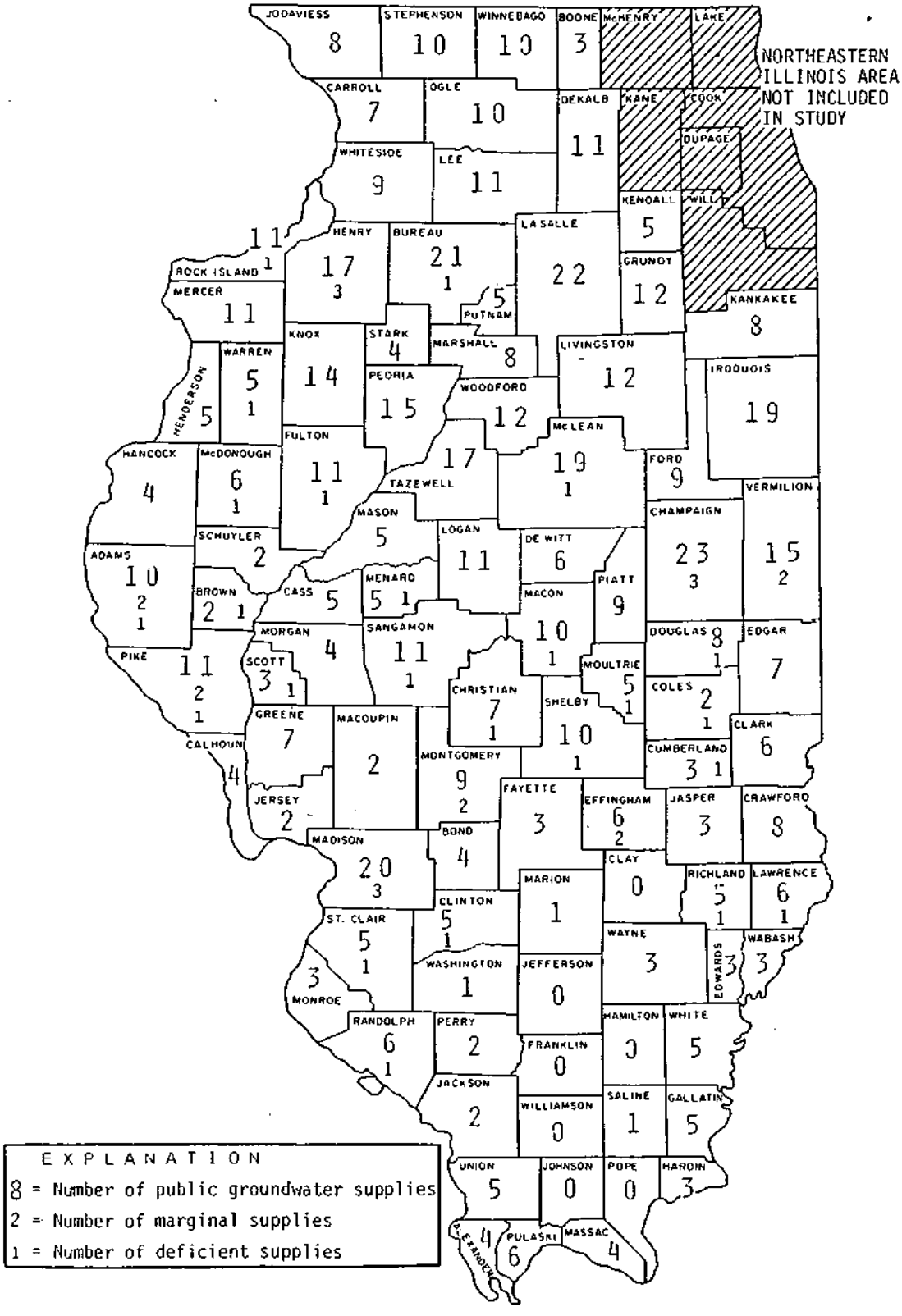

Figure 1, Public groundwater supplies in Illinois

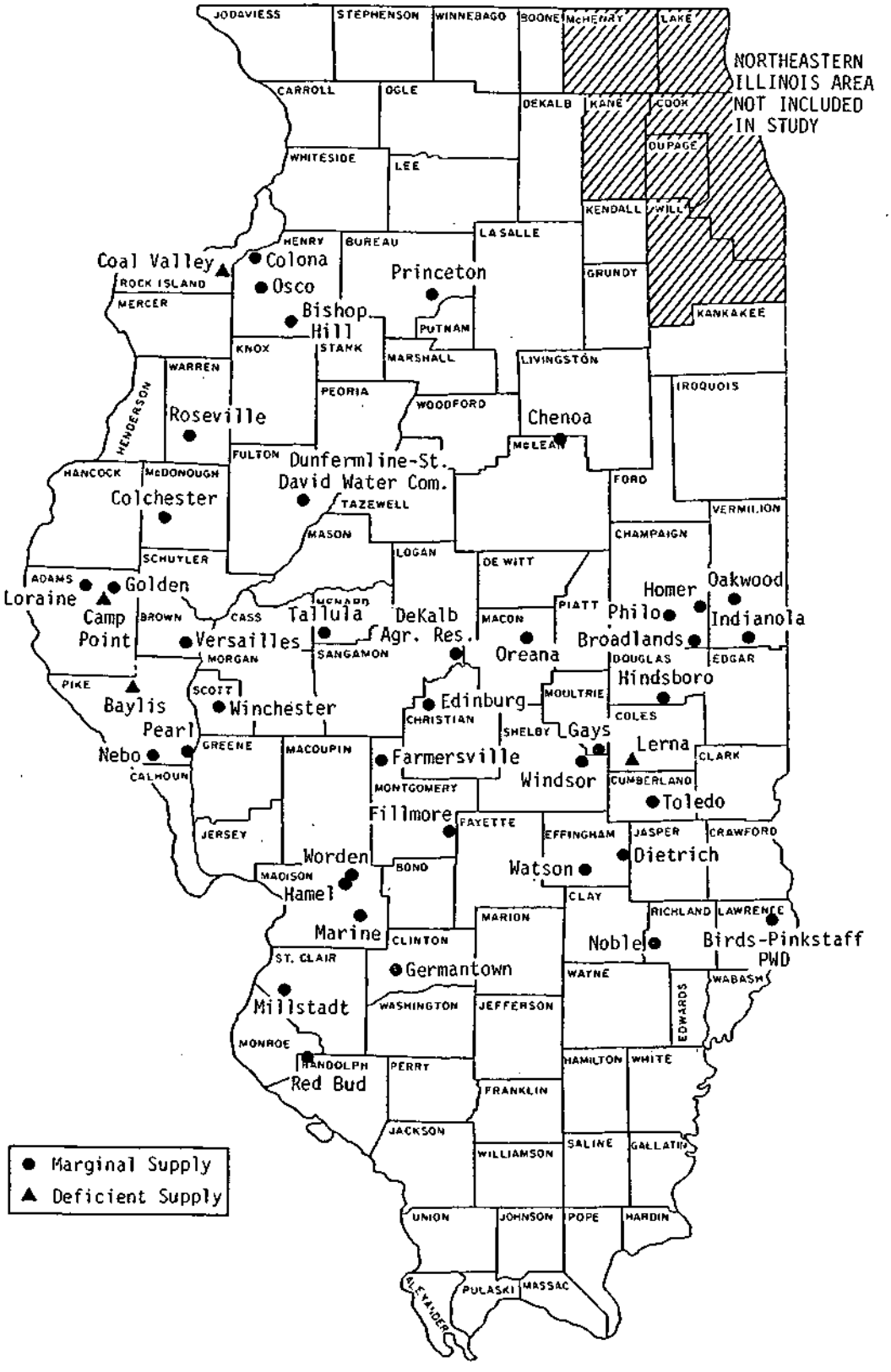

Figure 2. Locations of marginal and deficient groundwater supplies

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APPENDIX

PUBLIC GROUNDWATER SUPPLY ASSESSMENT

1. Adams County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Adams Co. Water District: #1		60S (Eat. 1975)	28,000 1975	Mississippian Syst. (Keokuk-Burlington Limestone)	1 2	90 80	40 18	6/1/72 SWS	Adequato. The supply servos four villages, Fouler, Paloma, Coats-burg, and Columbus.
Car.p Point	1,143		76,000 1975	Pleistocene Series (sand and gravel)	3 4	24 40	16 7	7/29/70 7/29/70	Deficient. As cf 1975, all pumps operating 24 hrs/day.
				Mississippian Syst. (Keokuk-liurlington Limestone)	5 6 7 8 9 10 11 12	56 415 1036 410 385 415 420	3 3 1 3 3 4 2 8	7/29/70 0/18/70 3/11/76 SWS 8/1S/70 8/18/70 8/18/70 8/18/70	
Colden	571		30,000 1976	Pennsylvanian Syst. (sandstone)	1 2	80 83	Standby 6.5	6/28/49	Marginal
				Mississippian Syst. (Keokuk-Burlington Limestone)	6 7 8	75 380 420	9.5 7.5 11.5	5/19/70	
Liberty	369		26,600 1976	Mississippian Syst. (St. Louis-Fern Glen Uhnestone)	2 3 4 5 6	295 308 355 284 340	8 18 8 9 10-20	11/5/63 SWS 10/17/68 2/2/72 SWS 7/18/73 SWS 11/11/75 SWS	Adequate
Loraine	372		20,000 1976	Mississippian Syst. (Keokuk-Burlington Limestone)	1 2 3	300 300 340	12 10-15 15'	5/15/56 5/15/72 5/23/56 SWS 2/15/72 SWS 9/5/74 SWS	Marginal
Mendon	883		71,000 1976	Mississippian Syst. (Warsaw limestone)	8 9	176 180	100 90	10/9/62 SWS .	Adequate
Mill Creek Water District		2135 (Est. 1978)	140,000 1978	Mississippi River Valley alluvium	1	80	275	8/24/72 SWS	Adequate
Payson	539		70,000 1375	Mississippian System (Ri'.rlington Limestone)	1 2	330 304	75 100	8/7/40 SWS 9/14/67 SWS	Adequate

Plainvllle	289	26,000 1976	Mississippian System (limestone)	1 2 3 4 5	141 188 230 220 167	25 9 5 15 40	8/10/62 SWS 9/12/62 SWS 11/12/76 SWS 9/29/77 SWS 10/12/77 SWS	Adequate
Ursa	423	26,000 1976	Mississippian System (limestone)	1	200	80	6/21/66 SWS	Adequate

2. Alexander County

Central Alexander County Public Water District	unknown	unknown	Sand and gravel	1	98	500	2/16/72 SWS	Insufficient data for aquifer assessment .
McClure East Cape Cirardcau Public Water District	752 (Est.)	50,000 1974	Sand and gravel	1	108	125	10/9/67 SWS	Adequate
Tamms	645	27,000 1974	Sand and gravel	1	171	100	5/19/71 SWS	Adequate
Thebes	442	25,000 1974	Ordovician System (Kimmswick gray lime)	1	300	80	9/9/64 SWS	Adequate

3. Bond County

Creenville	4,631	522,900 1975	Pleistocene Series (sand and gravel) Pennsylvanian System (limestone)	2 5	70 74	250 250	3/4/59 SWS	Adequate. Surface water is the main source for public water supply. Ground water is used for emergency.
Mulberry Grove	697	49,600 1975	Sand and gravel	] 3 4	40 37 33	36 30 20	4/7/41 SWS 12/31/62 SWS	Adequate. Treated water is obtained from Greenville
Pocahontas	764	50,000 1976	Sand and gravel	1 2 4 5	46.8 36 31 35	25 25 25 20	5/4/54 SWS 8/22/72 SWS 9/19/67 SWS 5/19/72 SWS	Adequate
Smithboro	203							Adequate. Treated water is obtained from Greenville

4. Boone County

Facility	1970 census	spec. census	(gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Belvidere	14,061		3,600,000	1977	Pleistocene Series	2	1861	500		Adequate
					(burled Troy Bedrock	3	1803	500		
					Valley, sand and	4	1800	1000	9/14-15/42 SWS	
					gravel)	5	610	600	10/15-16/45 SWS	
					Ordevician System	6	868	1000	6/15/55 SWS	
					(St. Peter Sandstone)	7	969	1000	11/15-16/62 SWS	
					Cambrian System	8	1393	1500	7/20-21/64 SWS	
					(Ironton-Calesville Sandstone, Mt. Simon Sandstone)	9	122	1250	6/5/69 SWS	
Capron	654		65,000	1976	Ordoviciar. System (Maquoketa limestone, St. Peter sandstone)	1	880	150	11/29/77	Adequate
Poplar Crove	607		45,000	1976	Sand and gravel	2	184	185		Adequate

5. Brown County

Mound Station	203		12,000	1976	Mississippian System (Keokuk-Burlington Limestone)	1	483	30	12/29/64 SWS	Adequate
Versailles	429		38,000	1976	Sand and gravel	1	45	24	7/13-14/53 SWS	Marginal
						2	36	24	7/13-14/53 SWS	

6. Bureau County

Arlington	250		25.300	1976	Sand and gravel	2	94	18		Adequate
						3	100	20	1/20/55 SWS	
Buda	675		96,000	1976	Ordovlclan System	2	1630	200		
					(Calena-Platteville	4	135	100		
					Dolomite, St. Peter Sandstone) Silurian System (Niagaran-Alexandrtan dolomite)	5	1601	175	3/18/68 SWS	Adequate
Bureau Junction	466		21,300	1976	Silurian System	2	305	flowing		Adequate
					(Niagaran dolomite)	4	334	flowing		
Cherry	551		35,000	1976	Sand and gravel	1	33	60	11/22/40 SWS	Adequate
						2	34	100		
Dalzell	579		35,000	1976	Sand and gravel	2	155	70	2/2-5/62 SWS	Adequate
						3	81.5	75		

DcPue	1,919	176,300	1976	Silurian System (Niagaran-Alexandrian dolomite) Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	2 3	1487 1490	120 250			Adequate
Dover	176	8,100	1976	Sand and gravel	1	294	110			Adequate
Ladd	1,328	175,000	1977	Ordovician System (Galena-Platteville limestone, St. Peter Sandstone) Pleistocene (sand and gravel)	1 2	1860 163	300 450	1/9/40 12/22-23/48	SWS	Adequate
LaMoille	669	61,000	1976	Sand and gravel	2 3	331 341	180 240	8/8/36		Adequate
Maiden	262	17,000	1976	Sand and gravel	1	270	140	9/9-10/70	SWS	Adequate
Manlius	402	53,000	1977	Sand and gravel	2 3	268 285	100 120	11/7/67	SWS	Adequate
Mineral	286	25,000	1976	Silurian System (limestone and dolomite)	1 2	375 447	30 30	8/12/54 5/21/64	 SWS	Adequate
Neponset	507	29,000	1976	Pennsylvanian System (shale, limestone, saudstone) Ordovician System (Galena-Platteville dolomite)	2 3 4	250 1640 200	Standby 163 Standby	3/14/55 2/29/56	SWS	Adequate
Ohio	506	44,000	1976	Sand and gravel	2 4 5	385 404 434	65 200 250	 6/29/67	 SWS	 Adequate
Princeton	6,959	1,286,000	1977	Sand and gravel	3 5	260 270	1000 800			Marginal
Sheffield	1,038	93,000	1976	Sand and gravel	4 5	71 73	200 170	10/23/61 9/26/69	SWS SWS	Adequate
Spring Valley	5,605	1,102,000	1977	Pleistocene Series (sand and gravel) Ordovician-Cambrian Systems (sandstone)	8 9 10 11	46 50 2696 2723	Standby Standby 1300 1500	 6/8-14/67 11/4/76	 SWS	Adequate
Tiskilwa	973	103,000	1977	Sand and gravel	1 2	92 140	100 150			Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (Callous)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Van Orin	100 (Est. 1976)		5,000	1976	Sand and gravel	1	258	40		Adequate
Walnut	1.295		201,000	1977	Sand and gravel	4	247	190		Adequate
						5	272	190		
						6	267	350		
Wyaner	1,005		97,500	1976	Sand and gravel	1	218	130		Adequate
						2	225	130		
					7. Calhoun County					
Batchtown	217		13,500	1976	Mississippi River Valley alluvium	.1	86.5	30	4/4/66 SWS	Adequate
						2	86	28		
Brussels	191		35,000	1976	Alluvial sand and gravel	1	78	105	12/10/63 SWS	Adequate
Hardin	1,035		215,000	1975	Sand and gravel	1	70	250	4/21/72 SW	Adequate
						2	64	100	1/13/54 SWS	
Kampsville	439		38,000	1975	Alluvial sand and gravel	1	60	80	7/11/56 SWS	Adequate
						2	52	71		
					8. Carroll County					
Chadwick	605		54,100	1977	Cambrian-Ordovician Systems (Galena-Platteville Dolomite, St. Peter Sandstone, Galesville Sandstone)	2	1215	Standby		Adequate
						3	1210	400	8/24/67 SWS	
Lanark	1,495		227,000	1977	Cambrian-Ordovician Systems (St. Peter Sandstone, Ironton Sandstone)	3	1100	400	2/20/57 SWS	Adequate
						4	1082	250	7/13/71	
Milledgeville	1,130		117,000	1977	Cambrian-Ordovician Systems (Shakopee, Oneota limestone, Galesville Sandstone)	3	675	Standby		Adequate
						4	1146	350		
Mt. Carroll	2,143		215.000	1977	Ordovician System (St. Peter Sandstone) Cambrian System (Eau Claire sandstone)	2	1457	700		
						3	1453	400	12/20/55 SWS	Adequate

Savarna	4,942	782,000	1977	Ordovician System (Galena-Platteville Dolomite, Glenwood Sandstone) Cambrian System (Eau Claire sandstone, Mt. Simon Sandstone)	3 4 5 6	1780 1308 1804 1300	Standby 550 585 1200	9/15/27 SWS 12/10/52 SWS 3/15/65	Adequate
Shannon	848	115,000	1977	Ordovician System (Calena-Platteville Dolomite, St. Peter Sandstone)	1 2	250 698	100 185	3/13/57 SWS	Adequate
Thomson	617	58,000	1977	Sand and gravel	2 3 4	60 81 65	70 185 400	 9/13/54 SWS 9/5/75	Adequate
				9. Cass County					
Arenzville	403	30,000	1976	Sand and gravel	1 2	60 60	100 100	3/20/47 6/13/69 SWS	Adequate. Alternates in use with W#1 on daily basis.
Ashland	1,128	85,000	1975	Indian Creek bottom-land sand and gravel	1 2 3 4	21 21 21 27	42 42 42 150	10/17/35 groundwater	Adequate. Main public water supply is from Little Indian Creek surface water. All (W#1, W#2, W#3, W#4) is maintained for emergency use during extended drought period.
Beardstown	6,222	1,100,000	1977	Illinois River Valley alluvium	5 7 8 11 12 13 14 15 16	78 86 89 92 92 86 83 80 81	Standby " " 600 700 700 700	11/17/70 SWS 6/30/75 7/9/75 7/24/75	Adequate
Chandlerville	762	75,000	1977	Sangamon River Valley alluvium	1 2	34 37	Standby 150	7/9-10/36 SWS 5/13/69 SWS	Adequate
Virginia	1,814	155,000	1976	Sangamon River Valley alluvium	1 2	29 30	40 40	12/10/76 SWS	Adequate. Public water supply is obtained from impoundment reservoir. Groundwater is maintained only for emergency source during extended drought.

10. Champaign County

Facility	Population 197C census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Broadlands	315		21,000 1977	Sand and gravel	1	71.5	35	3/14/55 SWS	Marginal. Limited
					2	78	10	10/3/77 SWS	aquifer.
Champaign-	56,837	59,152 (1972)	15,000,000 1978	Mahomet Bedrock Valley, sand and	35	208	500		Adequate. Wells are located
					40	212	275	4/10/78	in two well fields:
Urbana	33,976	34,502 (1972)		gravel, Illinoian glacial drift	41	224	600		1) West field (West of Mattis
					42	217.5	700	10/20/44	Ave. in Champaign); Well
					43	224.5	700		#48,53,54,55,56,57,58,59,60,61.
					45	197	375		2) North Well field (Corner
					46	207.2	350		of N. Goodwin & Bradley Ave.
					47	217.2	385		in Urbana); Well # 35,40,41,42,
					48	232	700	5/12/47	43,45,46,47.
					53	289	2100	12/26/56	
					54	330.5	3000	11/26,28,29/56	
					55	300	1000		
					56	318	2100		
					57	297	2100		
					58	326.5	2800		
					59	338.4	2100		
					60	340	2400	4/7-9/71	
					61	296.5	2100	7/9,10,11/74	
Dewey Public Water District		220 (Est. 1976)	9,000 1976	Mahomet Bedrock Valley sand and gravel	1	273	48	6/17/69 SWS	Adequate
Fisher	1,525		100,000 1976	Mahomet Bedrock Valley sand and gravel	1	236	125		Adequate
					3	270	200		
Cifford	814		56,000 1973	Mahomet Bedrock Valley sand and gravel	1	157	127	9/5/61 SWS	Adequate
					2	165	100	3/1/66 SWS	
Homer	1,354		100,000 1978	Sand and gravel	1	72	30	5/4/66 SWS	Marginal
					2	60.5	100	6/8/52 SWS	
					3	59	100	11/24/59 SWS 1/9/65	
Ivesdale	357		24,700 1975	Sand and gravel	1	85	50	9/24/65 SWS	Adequate
Longview	275		21,000 1978	Sand and gravel	1	50	60	5/20/55 SWS	Adequate
Ludlow	531		50,000 1976	Mahomet Bedrock Valley sand and gravel	1	122	90	10/15/48 SWS	Adequate
					2	122.5	110		
Mahomet	1,296	1,520 (1974)	170,000 1973	Mahomet Bedrock Valley sand and gravel	2	97	90		Adequate
					3	251.6	190		

Ogden	703		61,000	1977	Sand and gravel	1	65	150	9/23/52	SWS	Adequate
						2	70	108			
Penfield Water District	Public	240 (Est. 1973)	15,000	1976	Sand and gravel	1	195	50	2/10/66	SWS	Adequate
						2	200	50	10/13/77	SWS	
Pesotun	536		45,000	1976	Sand and gravel	1	190	105	2/2/56	SWS	Adequate
									6/29/67	SWS	
						2	190	105	10/24/67	SWS	
Philo	1,022		90,000	1975	Sand and gravel	2	44	23	5/31/45	SWS	Marginal
						3	28.5	60	3/27/54		
						4	26	32	10/11/62		
Rantoul	25,562		1,800,000	1977	Mahomet Bedrock Valley sand and gravel	3	137	650	12/5/39	SWS	Adequate
						5	291	800			
						6	142	200			
						7	279	1,050			
Royal	197		15,000	1976	Sand and gravel	1	106.5	50	1/9/68	SWS	Adequate
Sadorus	454		21,000	1975	Sand and gravel	1	114	27	6/21/63	SWS	Adequate
						2	112	30	9/6/63	SWS	
Sangamon Valley Public Water District		2,000 (Est. 1973)	187,000	1974	Sand and gravel	1	283.1	300	10/2/67	SWS	Adequate
						2	289	220			
Savoy	592	1,496 (1975)									Village receives water from Northern Illinois Water Corporation in Champaign-Urbana.
Sidney	915		60,000	1976	Sand and gravel	1	56	Standby			Adequate
						2	58.5	125	11/16/54	SWS	
						3	53	50	9/1/77	SWS	
St. Joseph	1,554	1,869 (1975)	174,000	1975	Wisconsinan drift, sand and gravel	1	76	Standby	5/28/58	SWS	Adequate
									2/7/64	SWS	
						2	72.5	50			
						3	72	160	7/15/71	SWS	
						4	82.5	125	12/27/76	SWS	
Thomnsboro	806		80,000	1976	Mahomet Bedrock Valley sand and gravel	1	230	100	4/18/60	SWS	Adequate
						2	238	100	3/1/66	SWS	
Tolono	2,027		150,000	1974	Illinoian glacial drift, sand and gravel	9	179	150			Adequate
						11	181	150	2/16/66	SWS	
						12	182.5	150	12/20/72	SWS	

11. Christian County

Facility	Population 1970 census	Population spuc. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Assumption	1,487		140,000 1974	Sand and gravel in the valley of Lake Fork	1	23	18		Adequate
					2	24	18		
					5	26	13	6/6-7/61 SWS	
					6	26	13	6/7/61 SWS	
					7	30	13	6/11/61 SWS	
					8	31	18		
					9	35	35		
					10	90	No Record	5/16/78 SWS	
					11	105	No Record		
Edinburg	1,153		97,500 1978	South Fork, Sangamon River Valley alluvium	9	43	35	5/10/61.	Marginal
					10	44	*	4/26/74 SWS	*W#10 and W#11 operated
					11	44	*	9/30/74 SWS	simultaneously for 60
					12	42.5	60	4/8/77	gpm total; alternated in use with W//12
Morrisonville	1,178		85,000 1975	Sand and gravel	4	44	120	6/5/44 SWS	Adequate
					5	41	120	9/17/52 SWS	
Mt. Auburn	520		35,000 1977	Sand and gravel	1	70	50	4/29/41	Adequate. W#1 alternated
					2	65	50		in use with W#2 on a weekly basis.
Palmer	244		10,000 1976	Sand and gravel	1	76	78	5/1/67	Adequate
Stonington	1,096		90,000 1976	Sand and gravel	9	65	Standby		Adequate. Well #10 is
					10	124.5	150	2/26/69 SWS	alternated in use with
					11	104	150	1/24/74 SWS	Well #11 on a weekly basis
Taylorville	10,644		1,000,000 1978	Sand and gravel	11	88	800		Adequate. Additional 1 to
					12	90	800		1.6 mgd is obtained from
					13	96	800		an impoundment reservoir. City supplies water to Langeyville PWD and Owaneco. SWS Report of Investigation 41, published in 1961, rates the long-term yield of Taylorville's aquifer at 1.4 MGD when operated individually.

12. Clark County

Casey	2,994		408,000 1977	Sand and gravel	6	79.5	125		Adequate
					8	132	100	1/20/66 SWS	
					9	132	100		
					10	71	100	7/2/68 SWS	

Dunlap Water Company	Group	75 (Est. 1976)	3,800	1976	Sand and gravel	1	42.5	30	11/4/71	SWS	Adequate
Marshall	3,463		700,000	1975	Big Creek Valley alluvium	1	65	650			Adequate
						2	64	850			
						3	69.5	700	6/2/72	SWS	
Martinsville	1,374		118,600	1977	Sand and gravel	5	58	60	12/28/49	SWS	Adequate
						6	56	60	1/26/50	SWS	
						7	68	60	4/25/66		
						8	76	120	8/21/70	SWS	
Union-York Water District		670 (Est. 1976)	36,000	1976	Sand and gravel	1	115.5	55	11/4/64	SWS	Adequate
Westfield	678		35,000	1974	Sand and gravel	5	50	33	9/14/73	SWS	Adequate
						6	53	40	12/4/75	SWS	
					13. Clinton County						
Albers	656		23,400	1975	Pleistocene Series (sand and gravel) Pennsylvanian System (sandstone)	2	184	27	11/16/56	SWS	Adequate
						3	54	60	2/27/57	SWS	
						4	59	70	12/2/75		
						5	61.6	70	3/17/78	SWS	
Aviston	828		51,000	1976	Sand and gravel	1	74	98			Adequate
						2	67	125	8/4/64	SWS	
Bartelso	439		26,900	1975	Sand and gravel	1	53	50	6/28/63		Adequate
Damlansville Public Water District		385 (Est. 1975)	8,500	1975	Sand and gravel	3	63	25	8/24/73		Adequate. Aquifer test indicates 10 gpm of long term yield on Well #3.
Cermantown	1,108		56,200	1975	Sand and gravel	1	28.5	21	1/18/56		Marginal
						2	26	34	1/25/56		
					14. Coles County						
Ashmore	428		65,000	1977	Sand and gravel	1	42	80	9/14/72	SWS	Adequate
						2	43.5	1	11/25/74	SWS	
Lerna	288		18,600	1975	Pleistocene Series (sand and gravel) Pennsylvanian System. (Sandstone)	1	34	3	9/24/58	SWS	Deficient
						3	138	6.5			
						4	151	3	9/30/55	SWS	
						5	130	3			
						6 '	142	5	8/6/76	SWS	

15. Crawford County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Flat Rock	504		28,000	1976	Sand and gravel	1	52	90	9/27/56 SWS	Adequate
						2	63	75	12/5/61 SWS	
Hutsonville	544		27,000	1974	Sand and gravel	2	36.5	250		Adequate
						3	32	300	7/28/58 SWS	
Eaton Public Water District		700 (Est. 1972)	17,400	1972						Adequate. See Robinson
Hebron Public Water District		350 (Est. 1976)	16,000	1976						Adequate. See Robinson.
Oblong	1,860		146,000	1972						Adequate. See Robinson.
Stoy	199									Adequate. See Robinson.
Palestine	1,640		85,000	1974						Adequate. See Robinson.
Robinson	7,178		1,340,000	1973	Wabash River Valley alluvium	5	70	250		Adequate. Water is supplied to Eaton PUD, Oblong, Hebron PWD, Palestine, and Stoy.
						7	81	600		
						9	85	600		
						10	84	800		

16. Cumberland County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Greenup	1,618		145,000	1975	Embarrass River Valley alluvium	3	43	140		Adequate
						4	40	40	11/13/50 SWS	
						5	41	80	9/20/63 SWS	
						6	44	250	10/20/77 SWS	
Jewett	211		10,000	1975	Sand and gravel	1	133.5	38	11/15/63 SWS	Adequate
						2	136	45	1/16/64 SWS	
Toledo	1,068		85,000	1978	Cottonwood Creek Valley alluvium	2	20	20		Marginal
						3	29	20	7/28/52 SWS	
						5	30	90	2/18/75 SWS	

17. DeKalb County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
DeKalb	32,949	3,918,000		1976	Ordovician-Cambrian Systems (Glenwood - St. Peter Sandstone, Irenton-Galesville Sandstone)	1	133	700		Adequate
						4	1,325	495	8/23/38 SWS	
						6	1,291	1,000	1/25/52 SWS	
						7	1,328	925	1/27/55 SWS	
						8	949	620		
						9	1,330	525		
						10	1,310	1,100	7/21/66 SWS	
						11	1,312	1,200	1/2/68 SWS	
						12	1,200	1,175	8/14/72	

Cenoa	3,003	3,210 (1975)	428,500	1977	Ordovlclan System (Glenwood-St. Peter Sandstone)	2 3 4	730 732 770	500 700 1,000	10/15/56 SWS 12/21/70		Adequate
Hinckley	1,053		115,400	1977	Ordovlclan System (Galena-Platteville Dolomite, St. Peter Sandstone)	2 3	708 605	300 300	12/28/63		Adequate
Kingston	481		58,600	1977	Ordovlclan System (Galena-Platteville limestone, St. Peter Sandstone)	2 3	755 717	100 300	12/18/58 SWS		Adequate
Kirkland	1,138		109,400	1976	Ordovlclan System (Galena-Platteville limestone, Glenwood-St. Peter Sandstone)	1	636	320	10/11/50 SWS		Adequate
Malta	961		65,000	1977	Ordovician-Cambrian Systems (Glenwood-St. Peter Sandstone, Ironton Sandstone)	1 2	853 1,254	100 300	10/21/52 SWS		Adequate
Sandwich	5,056		910,000	1975	Ordovician-Cambrian Systems (St. Peter Sandstone, Galesville Sandstone)	1 2 3	650 600 600	800 750 750			Adequate
Shabbona	730		172,000	1977	Sand and gravel	1 3 4	150 149 163	100 200 200	5/26/59 4/24/72		Adequate
Somonauk	1,112		100,000	1977	Ordovlclan System (St. Peter Sandstone) Ordovician-Cambrian Systems (Oneota, Eminence-Potasi Fms.)	1 2	190 502	300 250			Adequate
Sycamore	7,834		1,796,000	1977	Ordovlclan System (Galena-Platteville Dolomite, St. Peter Sandstone) Cambrian System (Ironton-Galesville Sandstone)	1 3 5 6	902 1,002 1,270 1,214	950 600 1,000 1,000	7/9/62 7/13/70		Adequate
Waterman	990		104,100	1976	Pleistocene Series (sand and gravel) Ordovlclan System (Galena-Platteville Limestone)	2 3	72 400	150 180	10/21/63		Adequate

18. Dewitt County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Clinton	7,570		1,100,000	1974	Mahomet Bedrock Valley sand and gravel	1	327	250		Adequate
						3	357	350		
						4	240	220		
						6	345	500	3/29/60 SWS	
						7	345	800	3/29/60 SWS	
						8		800		
						9		300		
Tamer City	2,217		213,000	1975	Wisconsinan and Illinoian age glacial sand and gravel	2	167	51	10/1/45 SWS 5/2/74 SWS	Adequate
						4	167	50	12/9/54 SWS 7/13/55 SWS 5/6/74 SWS	
						6	172	200	5/7/74 SWS	
						7	180	90	9/11/67 SWS 5/23/74 SWS	
						8	152	20	7/20/72 SWS 5/3/74 SWS	
Kenney	367		28,000	1974	Sand and gravel	1	248	190	10/26/56 SWS	Adequate
Wapella	572		50,000	1976	Wisconsinan glacial sand and gravel	2	79	60		Adequate
Waynesville	522		42,000	1974	Wisconsinan age Shelbyville moraine sand and gravel	6	217	200		Adequate
						7	162	standby		
Weldon	533		30,000	1974	Illinoian sand and gravel, Mahomet Bedrock Valley sand and gravel	3	167	70	8/13/63 SWS 6/13/68 SWS	Adequate
						4	163	50	10/11/72 SWS	
						5	293	150	4/3/78 SWS	

19. Douglas County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Areola	2,276		146,000	1973	Wisconsinan glacial sand and gravel	2-A	128	56		Adequate. SWS Report of investigation 41, published in 1961, rates the long-term yield of Areola's aquifer at 200,000 gpd.
						5	106	68	8/11/55 SWS	
						6	118	37	12/30/55 SWS	
Arthur	2,214		200,000	1977	Wisconsinan and Illinoian glacial sand and gravel	1	78	150		Adequate
						2	92	40	3/19/45 SWS	
						3	92	103		
						4	90	35	6/20/45 SWS	
						5	81	45	10/5/64 SWS	
						6	82	65	8/3/71 SWS	

Atwood	1,264	122,000	1976	Wisconsinan and Illinoian glacial sand and gravel	1	97	100	7/19/35	SWS	Adequate	
					2	96	standby	8/3/60	SWS		
Camargo	241	15,000	1976	Pleistocene Series (Glacial sand and gravel), Pennsylvanian System (shale)	1	165	20	4/13/56	SWS	Adequate	
					2	80.5	12	3/15/61	SWS		
					3	72	34	10/13/71	SWS		
Rindsboro	418	25,000	1976	Sand and gravel	1	83	15	10/29/68	SWS	Marginal	
					2	28	1	6/13/68			
								10/29/68	SWS		
					3	140	15	9/8/71	SWS		
Newman	1,018	117,000	1976	Pleistocene Series (Embarrass River alluvium sand and gravel	3	30	standby	11/21-22-49	SWS	Adequate	
					4	58.3	190	6/22/53	SWS		
Tuscola	3,917	5,000 (Est. 1977) 160,000	1978	Devonian and Silurian Systems (limestone)	6	460	95	7/10/64		Adequate. Tuscola purchases an additional 321,000 gpd of treated water from U.S. Industrial Chemical Co. This water is withdrawn from the Kaskaskia River.	
					7	557	45				
					9	696	82				
Villa Grove	2,605	207,000	1976	Devonian System (Cedar Valley Sandstone) .	1	645	250	.		Adequate	
					2	627	250	3/11/54	SWS		

20. Edgar County

Brocton	349	25,000	1976	Sand and gravel	1	38	60	5/16/62	SWS	Adequate	
Chrisman	1,285	147,000	1976	Sand and gravel	4	96	200	11/12/53	SWS	Adequate	
					5	92	250	3/30/71	SWS		
Hume	496	35,000	1977	Sand and gravel	1	55	75	10/26/54	SWS	Adequate	
					2	57	100	11/7/75	SWS		
Kansas	779	63,000	1977	Sand and gravel	4	85	100			Adequate	
					5	81	110				
Metcalf	269	12,000	1977	Sand and gravel	1	75	100	2/2/55	SWS	Adequate	
Redmon	251	8,500	1976	Sand and gravel	1	67	50	1/30/67	SWS	Adequate	
Vermilion	333	4,500	1975	Sand and gravel	1	54	26	8/16/56	SWS	Adequate	
					2	55	27	B/22/56	SWS		

21. Edwards County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Albion	1,791		400,000	1975	Wabash River Valley alluvium	1	81.4	200	11/6/62	Adequate
						2	42.8	200	1/30/63 SWS	
						3	54.5	400	5/2/63 SWS	
									7/8/64 SWS	
Bone Cap	308		28,000	1972	Sand and gravel	1	47	25	2/14/64 SWS	Adequate
						2	91.6	30	3/29/68 SWS	
Grayville	2,035		405,000	1974	Wabash River Valley alluvium	1	72.5	450	12/21/44 SWS	Adequate
						2	71.8	300	12/13/44 SWS	
						3	73	450		

22. Effingham County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Beecher City	466		22,000	1975	Kaskaskia River Valley alluvium	7	33	45	4/21/67 SWS	Adequate
						12	37.5	45	6/30/70 SWS	
Dieterich	550		40,000	1975	Dieterich Creek Valley alluvium	3	33	25		Marginal. Limited aquifer sensitive to drought conditions .
						4	27	40		
						5	24	40		
						6	30	10		
						7	34.5	7		
Edgewood	495		57,500	1976	Pleistocene Series (unconsolidated glacial drift, sand and gravel) Pennsylvanian System (sandstone)	1	16.5	32	2/7/61 SWS	Adequate
						2	23	15		
						4	160	25	11/2/76 SWS	
Montrose	312		12,000	1971	Sand and gravel	1	36	40	7/26/71 SWS	Adequate
						2	44	25	11/3/71 SWS	
Teutopolis	1,249		97,400	1974	Sand and gravel	1	74	30	2/6/41 SWS	Adequate
						2	32	50	3/14/55 SWS	
						3	39	45	3/22/72 SWS	
Watson	276		10,000	1975	Sand and gravel	1	28	15	11/30/60 SWS	Marginal
						2	34	10	11/30/60 SWS	

23. Fayette County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Brownatown	689		55,000	1975	Sand and gravel	1	38	2*		
						2	33	4*		*Adequate. Estimated discharges Combined discharge reportedly 33 gpm.
						3	27	5*		
						4	110	5*		
						5	**26**	3*		

				7	35	5*			
				9	45	15*			
				11	52	3*			
				12	50	5*			
				13	50	no record			
				14	25	3*			
				15	17	no record			
				21		no record			
Farina	634	35,000	1972	Pennsylvanian System (sandstone)	1	170'	20		Adequate
					2	135	3.8		
					3	125	2.5		
					4	210	4.2		
					5	133	6.0	6/5/58 SWS	
					6	146	9.0	6/11/59 SWS	
					7	115	6.0	10/4/71 SWS	
					8	110	4.0	5/30/75	
					9	140	6.0	5/22/75	
					10	116	12.0	6/3/75	
Ramsey	830	106,000	1976	Sand and gravel	5	40	200	11/29/71 SWS	Adequate
				24. Ford County					
Cabery	287	40,000	1976	Silurian System (Silurian dolomite, limestone)	2	233	30	3/9/42 SWS	Adequate
					3	357	100	U/26/56 SWS	
Elliott	365	25,000	1977	Sand and gravel	2	126	60	5/22/50 SWS	Adequate
Gibson City	3,454	548,400	1975	Sand and gravel	1	58	300	11/19/41 SWS	Adequate
					2	56	320	6/16/59 SWS	
					3	58	425	9/20/49 SWS	
Kempton	263	15,200	1976	Sand and gravel	2	238	60		Adequate
					4	238	85	10/16/62 SWS	
Melvin	492	60,000	1975	Sand and gravel	3	258	60		Adequate
					4	265	140	6/9/54 SWS	
Paxton	4,373	500,000	1973	Mahomet Bedrock Valley sand and gravel	5	149	100	10/10/45 SWS	Adequate
					6	153	200	7/27/50 SWS	
					7	340	800	11/7-8/56 SWS	
					8	339	800	8/20-21/59 SWS	
Piper City	817	147.000	1975	Sand and gravel	6	90	90	5/29/44 SWS	Adequate
					7	130	160	10/1/53 SWS	
Roberts	506	23.000	1977	Sand and gravel	5	226	95	9/22/50 SWS	Adequate
					6	228	120	11/17/60 SWS	
Sibley	381	12.000 (Est. 1950)		Send and gravel	1	117	58		Adequate

25. Fulton County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well No.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Bryant	326		14,800	1977	Devonian-Silurian Systerns (dolomite and limestone) Ordovician System (Galena-Platteville dolomite, limestone)	1	1,282	50	2/24/72 SWS	Adequate
Cuba	1,581		100,000	1976	Silurian System (Niagaran-Maquoketa limestone) Ordovician System (Calena-Platteville dolomite, limestone)	4	1,380	200	4/16/52 SWS	Adequate
Fairview	601		30,000	1976	Devonian-Silurian Systems (limestone and dolomite) Ordovician System (Glenwood-St. Peter Sandstone)	3	1,605	140	1/3/52 SWS	Adequate
Fermington	2,959		265,000	1977	Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	1 2	1,710 1,743	250 250		Adequate
Ipava	608		55,000	1975	Ordovician System (Maquoketa limestone, Galena-Platteville limestone)	1	1,324	250		Adequate
Lewistown	2,706		300,000	1977	Sand and gravel	7 8 9 10 11	35 35 46 46 44.5	90 85 125 225 200	3/23/56 SWS 6/11/71 SWS 5/3/74	Adequate
London Mills	610		65,000	1976	Sand and gravel	1 2	22.8 45	75 75	10/14/41 SWS 6/13/61 SWS	Adequate
Norris	359		23,700	1976	Ordovician System (St. Peter Sandstone)	1	1,702	100	6/13/66 SWS	Adequate
St. David	773		68,600	1976	Sand and gravel	1 2 3	48 43 44	25 25 10	12/1/61 12/1/61 11/8/63	Marginal. Now part of Dunfcrmline-St. David Water Comm.
Smithfield	318		11,000	1977	Sand and gravel	1	205	50	1/26-27/67 SWS	Adequate
Table Grove	469		18,000	1975	Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	1	1,635	75	10/29/52 SWS	Adequate

26. Gallatin County

Equality	732	84,000	1976	Ohio River Valley alluvium	1 2	91 98	60 100			Adequate
New Haven	606	69,000	1973	Wabash River Valley alluvium	1 2	60 56.7	100 Unknown	8/13/65 6/29/73	SWS	Adequate
Old Shawneetown	342	10,000	1973	Ohio River Valley alluvium	1	84	50	6/17/64	SWS	Adequate
Rldgway	1,160	65,000	1975	Wabash and Ohio River Valley alluvium	1 2	85 85	200 50	11/10/38	SWS	Adequate
Shawneetown	1,742	190,000	1974	Ohio River Valley alluvium	3 4	101 96	250 250	6/25/70 8/3/72	SWS SWS	Adequate

27. Greene County

Carroliton	2.866	180,000	1969	Mississippian System (Keokuk-Burlington Limestone)	Spring		500			Adequate. Discharge from spring varies seasonally.
Eldred	292	21,000	1975	Sand and gravel	1 2	52 56	87 45	6/16/59	SWS	Adequate
Hillview	322	17,000	1975	Apple Creek Valley alluvium	1	69.5	50	7/10/68		Adequate
Kane	432	35,000	1975	Sand and gravel	1	59	100	8/17/64		Adequate
Rockbridge	256	8,600	1973							Adequate. Water is obtained from Medora, Macoupin County
Roodhouse	2,357	300,000	1975	Mississippian System (Keokuk-Burlington Limestone)	1 (No. Well) 2 (So. Well)	150 150	Standby 550	6/20/72 6/20/72	SWS SWS	Adequate
Wilmington	141									Adequate. Water is obtained from Roodhouse.

28. Grundy County

Draceville	66S	30,000	1976	Ordovician System (St. Peter Sandstone) Pleistocene Series (sand and gravel)	1 2 3	868 79 105	33 12 No record	10/16/63 3/1/77	SWS SWS	Adequate
Carbon Hill	317	25,000	1976	Crdovician System (St. Peter Sandstone)	2 3	650 800	20 100	5/6/66		Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Coal City	3,040		421,000	1977	Ordovician System,	3	360	390		Adequate
					(Galena limestone)	4	793	250	7/29-30/69	
					St. Peter Sandstone)				1/23/78	
						5		No record	6/14-16/78	
Diamond	452		64,300	1977	Ordovlclan System	1	723	103	9/26/59	Adequate
					(St. Peter Sandstone)					
Eileen	371		38,000	1976	Ordovlclan System	1	700	70		Adequate
					(St. Peter Sandstone)					
Cardner	1,212		93,700	1977	Ordovlclan System	1	173	50		Adequate
					(St. Peter Sandstone)	2	161	112	10/6-7/44	
					Pennsylvanlan System	3	972	45	7/5/39 SWS	
					(limestone)				9/11-12/39 SWS	
					Pleistocene Series				3/17/51 SWS	
					(sand and gravel)	4	1,933	600	10/7/68	
Kinsman	153		15,000	1976	Ordovician System	1	700	Standby		Adequate
					(St. Peter Sandstone)	2	785	50		
Mazon	727		75,000	1978	Sand and gravel	1	25	45		Adequate. Construction
						2	26	25		features of W#4 are
						3	26	40		unknown.
						4	* 6			
Minooka	768	934 (1972)	150,000	1977	Ordovician System	3	1,508	300	5/19-20/65	Adequate
					(St. Peter Sandstone)	4	725	140	8/14/73	
					Cambrian System					
					(Galesville Sandstone)					
Morris	8,194	8,435 (1972)	1,250,000	1977	Cambrian System	3	720	900		Adequate
					(Galesville Sandstone)	4	1,501	800		
					Ordovician System	5	1,000	1,462	5/11-13/54 SWS	
					(St. Peter Sandstone)					
Ridgecrest Utility Co. Inc. (Sub-division)		567 (Est. 1974)	23,000	1972	Ordovician System (dolomite and limestone)	1	650	150	12/10/65	Adequate
South Wilmington	725		45,000	1976	Ordovician System.	3	993.5	40	5/31/50	Adequate
					(St. Peter Sandstone)	4	970	70	10/7/66	
					29. Hancock County					
Bowen	489		42,000	1974	Mississippian Bedrock	2	345	15	7/7/48	Adequate
									5/5-6/52	
					Sand and gravel	3	72	25		
						4	68	25		
						5	70	25		

Carthage	3,350		300,000	1975	Burled valley sand and gravel	1 2	204 189	175 100		Adequate. Surface reservoir is Che main source of water supply. Groundwater is used only for supplemental or emergency purposes.
LaHarpe	1,240		90,000	1972	Buried valley sand and gravel	1	89.5	135	9/6/77	Adequate. Ground water will be used only to supplement surface water supply.
Plymouth	740		65,000	1976	Sand and gravel	1 2	67 68	100 100	2/13/64 SWS	Adequate
					30. Hardin County					
Cave-in-Rock	503		27,500	1974	Mississippian System (St. Louis Limestone)	1	220	130	3/16/61 SWS	Adequate. Aquifer is hydraulically connected with Ohio River. Well capacity depends on the Ohio River pool level.
Elizabethtown	707					1	396	12		Village considered P.W.S. in 1977, drilled Well #1. No detailed record yet.
Hardin County Water District		615 (Esc.)	12,000	1972	Ohio River Valley alluvium	1	84.5	50	8/14/70 SWS	Adequate
					31. Henderson County					
Biggsville	391		60,000 (Est.)	1971	Mississippian System (Keokuk-Burlington Limestone) Ordovician System (Maquoketa Shale)	1 2	891 950	Standby 250		Adequate. There is no record of actual consumption, as there is no master meter in the distribution. However, Geological Survey's description of aquifer shows supply should be adequate.
Media	180		12,000	1976	Mississippian System (Keokuk-Burlington Limestone)	1	70	80		Adequate
Oquawka	1,352		160,000	1977	Mississippi River Valley alluvium	1 2	50 140	300 500		Adequate
Raritan	206		8,000	1976	Devonian System (limestone) Ordovician System (Maqucketa Shale, Galena-Platteville Dolomite)	1	964	50	12/15/64 SWS	Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Strenghurst	836		73,000	1976	Mississippian System (Keckuk-Burlington Limestone) Ordovician System (Glenwood-St. Peter Sandstone)	1 3 4	1,009 69 70	112 120 90		Adequate
					32. Henry County					
Alpha	771		76,000	1976	Devonian and Silurian Systems (limestone) Ordovician System (Galena-Platteville limestone, St. Peter Sandstone)	1 2	1,364 1,209	120 100	1/16/50 SWS	Adequate
Andover	420		45,000	1976	Silurian System (dolomite)	1	677	110	6/25/54 SWS	Adequate
Annawan	787		110,000	1977	Silurian System (dolomite)	1 2	603 603	150 150	6/2/47 SWS 6/18/70 SWS	Adequate
Atkinson	1,053		126,000	1977	Devonian System (limestone)	1 2	1,123 604	200 175		Adequate
Bishop Hill	191		30,000	1976	Silurian System (limestone)	1	675	50	8/6/62 SWS	Marginal
Cambridge	2,095		206,000	1977	Devonian-Silurian Systems (limestone) Ordovician System (Maquoketa limestone, Galena limestone)	2 3	1,377 1,410	225 350		Adequate
Colona	1,293		176,000	1977	Silurian System (dolomite)	1 2	492 445	100 250	4/5/56 SWS	Marginal
East Portal Water System		315 (Est. 1976)	17,000	1976	Silurian System (limestone)	1	470	100		Adequate
Galva	3,061		494,000	1976	Silurian System (dolomite) Ordovician System (Galena-Platteville Dolomite, Shakopee dolomite)	3 4	1,524 1,687	500 500		Adequate
Geneseo	5.840	588.000		1976	Green River Valley aliavium	E-1 E-3 F-1 25 26	20 65'4" 18 65 60	100 300 100 600 50C	7/15/47 SWS 4/1/66	Adequate

Green Rock	2,744		153,000	1976						Water is obtained from Colona PWS.
Kewanee	15,762		1,300,000	1977	Silurian System (Niagaran-Alexandrian dolomite) Ordovician System (Calena-Platteville Dolomite) Cambrian System (Franconia sandstone and dolomite)	1 2 3 4	2,497 2,430 2,484 2,501	800 700 500 1,050	 8/30-31/39 SWS 9/13-14/65 SWS	Adequate
Lynn Center Water Association		115 (Est. 1974)	11,000	1974	Silurian System (limestone)	1	686	35		Adequate
Ophiem		115 (Est. 1976)	12,000	1976	Devonian-Silurian Systems (limestone)	1	370	70		Adequate
Orion	1,801	1,192 (1975)	180,000	1976	Devonian-Silurian Systems (limestone, dolomite)	1 2	615 521	120 150		Adequate
Osco		112 (Est. 1974)	10,000	1974	Silurian System (dolomite)	1	400	18		Marginal
Woodhull	898		100,000	1976	Ordovician System (Maquoketa Shale, St. Peter Sandstone)	1 2	1,390 1,369	180 120		Adequate

33. Iroquois County

Ashkum	590	694 (1974)	50,000	1974	Silurian System Niagaran limestone)	1 2 3	196 147 215	84 60 100	5/28-29/47 SWS 6/23/77 SWS	Adequate
Beaverville	442		20,000	1975	Silurian System (limestone)	1 2	200 203	130 110	8/8/49 SWS 9/28/65 SWS	Adequate
Buckley	680		68,900	1977	Sand and gravel	3 4	152 152	110 110	4/20/48 11/13/58	Adequate
Chebanse	1,185		200,000	1974	Pleistocene Series (sand and gravel) Silurian System (dolomite)	1 2	152 150	206 300	2/23/49 SWS 4/9/57 SWS	Adequate
Cissna Park	773		75,000	1977	Wisconsinan glacial deposits	5 6	176 176	400 100	10/13/66 12/17/74	Adequate
Clifton	1,339		134,000* (Est)		Silurian System (dolomite)	1 2	137 143	250 250	8/29/41 SWS 9/24/56	Adequate. *No record of actual consumption, based on daily per capita consumption of 100 gal.

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Crescent. City	579		25,000	1975	Sand and gravel	2	132	200		Adequate
						3	145	150		
Danforth	404		35,000	1974	Sand and gravel	6	210	30	1/24/56 SWS	Adequate
						8	100	110	1/21/71 SwS	
						9	100	106	5/14/71 SWS	
Donovan	343		24,000 *(Est.)	1972	Sand and gravel	1	130	100	10/22/70	Adequate. *No master meter to measure actual con- sumption.
						2	170	44		
Gilman	1,786		185,000	1977	Sand and gravel	1	195	400	8/20/52 SWS	Adequate
						2	197	350	9/9/60 SWS	
Loda	525		35,000	1974	Sand and gravel	1	156	145	9/5/40 SWS	Adequate
						2	158	150	6/13/51 SWS	
Martinton	278		28,000 *(Est.)	1970	Devonian-Silurian Systems (dolomite and limestone)	1	265	280		Adequate. *No master meter Based on 100 gallons per day per capita consumption,
Milford	1,656		214,000	1974	Sand and gravel	6	70	125		Adequate
						7	79	225		
						8	80	800	11/20/63 SWS	
Onarga	1,436		135,000	1977	Sand and gravel	1	156	55		Adequate
						3	165	240	5/25/73 SWS	
Sheldon	1,455		146,000 *(Est.)	1970	Sand and gravel	4	116	350		Adequate. *No master meter Based on 100 gallons per day per capita consumption,
						5	112	125		
Thawville	271		23,000	1977	Sand and gravel	1	120	75	8/9/50 SWS	Adequate
Watseka	5,294		530,000 *(Est.)	1973	Sand and gravel	3	168	350		Adequate. *No master meter. Based on 100 gallons per day per capita consumption.
						4	160	200		
						5	175	350	6/10/52 SWS	
						6	160	400	6/5/61 SWS	
						7	133	400	8/13/74	
Wellington	410		22,000	1977	Sand and gravel	1	123	50	9/5/68 SWS	Adequate
Woodland	350		350,000 *(Est.)	1970	Sand and gravel	2	107	Standby		Adequate. *No master meter. Based on 100 gallons per day per capita consumption.
						4	122	55		
						5	124	100		
					34. Jackson County					
Gorham	361		27.500	1975	Mississippi River Valley alluvium	1	89	80	7/7/60 SWS	Adequate

Grand Tower	664	786 (1971)	65,000	1975	Mississippi River Valley alluvium	1 2	156 155	75 150	8/3/51 SWS 8/31/71 SWS		Adequate

35. Jasper County

Newton	3,024		324,000	1975	Illinoian glacial drift, sand and gravel	1 2 3	57.3 53 52	125 125 125	 4/2/64 SWS 4/8/64 SWS		Adequate. Water obtained from the Embarras River and/or from three wells.
St. Marie	335		18,000	1975	Embarrass River Valley alluvium	1 2	54 53.5	70 35	8/19/65 SWS 10/24/68 SWS		Adequate
Willow Hill	296		8,000	1975	Pennsylvanian System (sandstone)	1 2 3	295 275 269	5 5 20	12/11/63 SWS 1/21/64 SWS 11/11/64 SWS		Adequate

36. Jersey County

Crafton	1,018		80,000	1976	Mississippi River Valley alluvium	2	56	166	3/17/69 SWS		Adequate
Jerseyville	7,446		550,000	1975	Illinois River Valley alluvium	1 2	96 99	900 900	2/12/64 SWS 2/13/64 SWS		Adequatc. Jerseyville supplies water also to Fieldon and Nutwood Water District.

37. Jo Daviess County

Apple River	482		88,000	1977	Ordovician System (Galena-Platteville dolomite and limestone, St. Peter Sandstone)	1	380	155	9/19/41 SWS		Adequate
East Dubuque	2,408		280,000	1976	Mississippi River Valley alluvium. Cambriau System (Eau Claire sandstone and dolomite)	2 3	1,502 104	Standby 600			Adequate
Elizabeth	707		81,000	1977	Ordovician System (Galena-Platteville limestone, St. Peter Sandstone)	1 2	600 317	Standby 170			Adequate
Calena	3,930		1,400,000	1976	Ordovician System (St. Peter Sandstone) Cambrian System (Eau Claire sandstone, Mt. Simon Sandstone)	3 4 5	1,575 1,515 1,100	Standby 840 1,600	 3/19/63 SWS		Adequate
Hanover	1,243		146,000	1976	Cambrian-Ordovician Systems (St. Peter Sandstone, Galesville Sandstone)	1 2	1,090 1,132	Standby 500			Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Scales Hound	382		28,000 1976	Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	2 3	374 451	150 160		Adequate
Stockton	1,930		476,000 1977	Ordovician System (Calena-Platteville Dolomite, St. Peter Sandstone) Cambrian System (Galesville Sandstone, Eau Claire sandstone)	4 5 6	1,277 922 1,088	380 270 570	7/21/53 SWS 3/24/53 SWS .	Adequate
Warren	1,523		160,000 1977	Cambrian-Ordovician Systerns (Shakopee dolomite and sandstone, Franconia sandstone, Ironton Sandstone)	2 3	963 1,000	285 270		Adequate
				38. Kankakee County					
Aroma Park	896		117,000 1977	Silurian System (Joliet limestone)	2 3	299 4 32	Standby 115	12/11-13-62 SWS	Adequate
Buckingham	198		21,100 1977	Silurian System (Niagaran-Alexandrian limestone)	3	240	52	1/25/49 SWS 4/18/49	Adequate
Grant Park	914		138,000 1977	Silurian System (Racine-Waukashau-Joliet Dolomite)	3 4	330 504	240 290	1/20/49 SWS	Adequate
Herscher	988	1,127 (1974)	121,000 1977	Silurian System (Niagaran-Alexandrian dolomite)	5 6 7	789 773 163	160 160 220	2/21/75 SWS	Adequate
Manteno	2,864		263,000 1977	Silurian System (Niagaran-Alexandrian limestone)	1 2 3	97 310 279	250 325 210	5/31/64 SWS	Adequate
Momence	2,836		426,000 1977	Silurian System (Niagaran dolomite)	1 2 3 4	125 125 175 175	450 650 500 500	9/11/57 10/2/57	Adequate
Roddick	247		13,600 1977	Ordovician System (St. Peter Sandstone)	1	1,188	54	6/22/54 SWS	Adequate
St. Anne	1,271		163,000 1977	Silurian System (Niagaran-Alexandrian limestone)	2 3	265 240	350 500		Adequate

39. Kendall County

Marina Village Subdivision		1,750 (Est. 1976)	90,000	1976	Silurian System (Silurian dolomite) Ordovician System (St. Peter Sandstone)	1 2	187 700	110 160	A/9/63		Adequate
Newark	590		60,000	1974	Ordovician System (Glenwood-St. Peter Sandstone)	2 3	287 336	100 Unknown	8/3/64 6/27/73	SWS	Adequate
Oswego	1,862		235,000	1978	Cambrian System (Galesville Sandstone)	3 4	1,378 1,396	950 700	10/26/57 5/19/64		Adequate
Piano	4,664		1,000,000	1974	(Fox River Valley alluvium)	2 3 4 5	42 39.5 36.5 40.8	300 400 500 900	7/22/46 5/11/60 6/23/66 7/1/66	SWS	Adequate
Yorkville	2,049	2,453 (1974)	260,000	1974	Pleistocene Series (sand and gravel) Cambrian System (Galesville Sandstone)	2 3	42 1,335	180 890	5/22-24/54 6/30/60	SWS	Adequate

40. Knox County

Abingdon	3,936		425,000	1975	Ordovician System (St. Peter Sandstone) Cambrian System (Galesville Sandstone)	2 3	2,583 2,586	350 800	 3/17/59	 SWS	Adequate
Altona	542		45,000	1977	Silurian System (Niagaran-Alexandrian dolomite and limestone)	1	808	125	4/27/51	SWS	Adequate
Galesburg	36,290		6,500,000	1977	Mississippi River Valley alluvium	Ranney Well: Pump 1 Pump 2 Tump 3 Potts Dam: 1 2 Florence Av??: 1-74 2-74 3-74	 97 97 97 2,414 2,408 2,473 101 97 102	 2,000 5,000 5,000 Standby Standby Standby 1,780 1,780 1,780			Adequate. City also provides water to East Galesburg.
Henderson	210		26,500	1977	Devonian System (limestone)	1	705	100	8/5/66	SWS	Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer teat	Aquifer assessment
Knoxville	2,930		328,000	1977	Ordovician System (St. Peter Sandstone) Cambrian System (Franconia Sandstone)	1 2 3	1,375 2,495 2,525	240 300 450	3/29/60	Adequate
Maquon	374		20,000	1977	Mississippian System (Keokuk-Burlington lime-stone) Devonian-Silurian Systems (lime-stones and dolomite)	1	638	60	10/10-13/52 SWS	Adequate
Oak Run Development		300 (Est. 1977)	40,000	1977	Devonian-Silurian Systems (limestones and dolomite)	1	802	125		Adequate
Oneida	728		72,800 *(Est.)	1970	Silurian System (dolo-mite) Ordovician System (Galena-Platteville Dolomite)	1 2	840 1,202	100 150	4/8/70 SWS	Adequate. *No master meter. Based on 100 gallons per day per capita consumption.
Rio	136		24,000	1977	Devonian System (Cedar Valley-Wapsipinicon Limestone) Silurian System (dolomite)	1	675	90	12/8/58 SWS	Adequate
St. Augustine	204		12,000	1976	Pennsylvanian System (limesDbne)	1 2	160 871	20 20	4/29/60 SWS	Adequate
Victoria	441		27,000	1977	Devonian System (Cedar Valley-Wapsipinicon Limestone) Silurian System (Niagaran-Alexandrian dolomite)	1	860	63	4/24/50	Adequate
Wataga	570		60,000	1977	Devonian System (Wapsi-pinicon Limestone) Silurian System (Niagaran dolomite)	1	840	125	12/13/54 SWS	Adequate
Williamsfield	552		40,000	1977	Devonian System (Wapsi-pinicon Limestone) Silurian System (Niagaran-Alexandrian dolomite)	2 3	887 880	125 125	3/6/70	Adequate
Yates City	840		80,000	1977	Pleistocene Series (glacial drift, sand and gravel) Ordovician System (St. Peter Sandstone)	1 3	100 1,580	Standby 200		Adequate

Cedar Point	304		45,800	1977	Ordovician System (Galena-Platteville Dolomite)	1	1,750	100		Adequate
Earlvllle	1,410		123,000	1976	Cambrlan-Ordoviclan Systems (St. Peter Sandstone, Eminence-Potosi, Franconia Fms.)	2 3	150 625	Standby 450		Adequate
Crand Ridge	698		116,300	1976	Sand and gravel	1 3	162 190	120 250	1/31/62 SWS	Adequate
Harding		140 (Est.) 1976	7,500	1976	Ordovician System (St. Peter Sandstone)	1	180	20	10/10/73 SWS	Adequate. Aquifer analysis indicates capacity of 150 gpm for this well.
Jonesville		434 (Est.) 1977	27,000	1977						Adequate. Water is obtained from Oglesby public water supply.
Kangley	290		15,000	1977	Ordovician System (St. Peter Sandstone)	1	542	100	9/25/58 SWS	Adequate
Lake Holiday Subdivision		1,348 (EstO 1976	58,100	1976	Cambrian System (Franconia dolomite Galesville Sandstone)	1 2	663 . 708	250 Standby	7/19/65 SWS 9/9/65 SWS	Adequate
LaSalle	10,620		3,150,000	1976	Unconsolidated glacial drift	3 4 5 6 7	39 58 60 56 49	850 1,600 1,600 1,800 1,500	 11/16-17/66 12/28-29/66	Adequate. All are dug wells.
Leland	743		65,000	1976	Mississippian System (Keokuk-Burlington Limestone)	1 2	230 220	100 100		Adequate
Lenore	196		17,900	1976	Sand and gravel	1 2	40 92	300 18		Adequate
Lostant	465		42,300	1977	Ordovician System (Galena-Platteville limestone, Glenwood-St. Peter Sandstone)	4	1,881	80	9/10-11/53 SWS	Adequate
Marseilles	4,320		600,000	1976	Ordovician System (Oneota Dolomite) Cambrian System (Eminence-Potosi Delemite)	2 3 4	670 850 1,466	Standby 200 600		Adequate
Mendota	6,902		1,183,000	1376	Ordovician System (St. Fcter Sandstone)	3 4 5	534 1,360 Standby	800 1,280 6C0	8/22-23/45 SWS 5/3-4/57 SWS	Adequate

Facility	Population 1970 census	Population 3pec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Naplate	686		39,000	1976	Ordovician System (Shakopee Dolomite, New Richmond Sandstone)	1	420	140	5/19/69 SWS	Adequate
Oglesby	4,175		493,000	1977	Ordovician System (Galena-Platteville Dolomite, Oneota Dolomite) Cambrian System (Ironton-Galesville Sandstone)	3 4	2,821 2,795	1,000 1,000	4/2/49 SWS 4/1-2/59 SWS	Adequate
Ottawa	18,716		1,870,000	1976	Ordovician System (Oneota Dolomite) Cambrian System (Franconia dolomite, Galesville Sandstone)	8 10 11	1,180 1,220 1,203	1,360 905 1,500	11/10/70 10/1/71 6/28/73 SWS	Adequate
Peru	11,772		1,827,000	1976	Ordovician System (Calena-Platteville Dolomite) Cambrian System (Galesville Sandstone)	5 6 7	2,601 2,665 2,591	1,000 1,200 1,000	 2/22/52 SWS 11/20-21/63 SWS	Adequate
Ransom	440		41,500	1977	Ordovician System (St. Peter Sandstone)	1 2 3 4	325 831 280 812	Standby 10 Standby 40.5	 8/30/71 SWS	Adequate
Rutland	437		50,000	1977	Sand and gravel	3 4	No data 55	40 50		Adequate
Seneca	1,781		189,000	1976	Ordovician System (Glenwood-St. Peter Sandstone, Oneota Dolomite)	1 2	700 704	250 300	 9/24/43	Adequate
Tonica	821		35,000	1976	Sand and gravel	2 3 4	193 193 205	25 Standby 175	 8/25/53	Adequate
North Utica	974		153,900	1976	Ordovician System (Oneota Dolomite) Cambrian System (Galesville Sandstone)	1 2	618 1,078	300 500	 8/11/75 SWS	Adequate
42. Lawrence County										
Birds-Pinkstaff Water District		800 (Est. 1972)	64.800	1978	Sand and gravel	1	82	50	1/17/69 SWS	Marginal. 24-hour operation.

Bridgeport	2,262		240,000	1974						Adequate. Water is obtained from the Lawrenceville PWS.
Lawrenceville	5,863		1,000,000	1974	Wabash River Valley alluvium	6	78	500		Adequate
						8	.	800		
						9	81	850		
						10	80	500		
Petrolia Water District		752 (Est. 1973)	31,800	1973						Adequate. Water is obtained from the Lawrenceville PWS.
St. Francisville	997		70,000	1976	Wabash River Valley alluvium	1	134	Standby		Adequate
						3	136	Standby	9/28/51 SWS	
						4	160	Standby	9/31/61 SWS	
						7	42	200	10/31/75 SWS	
Sumner	1,201		100,000	1974						Adequate. Water is obtained from the Lawrenceville PWS.

43. Lee County

Amboy	2,184		248,000	1976	Ordovician System (St. Peter Sandstone) Cambrian System (Galesville Sandstone)	2	1,100	350	12/5/38 SWS	Adequate
						3	1,105	680	1/24/58 SWS	
Ashton	l,il2		189,000	1977	Cambrian System (Eminence-Potosi Dolomite)	1	545	250	11/27/41 SWS	Adequate
						2	249	325		
Compton	399		60,000	1977	Sand and gravel	2	335	57		Adequate
						3	332	90		
Dixon	18,147		2,200,000	1977	Ordovician System (St. Peter Sandstone)	3	1,865	900		Adequate
						5	1,700	1,300		
					Cambrian System (Mt. Simon and Fond du Lac Sandstones)	6	1,720	600	8/7/57 SWS	
									9/11/57 SWS	
						7	1,870	1,200	1/3/61 SWS	
						8	1,872	1,300	8/11-12/70 SWS	
Franklin Crove	968		70,000	1977	Ordovician System (New Richmond Sandstone)	1	298	85		Adequate
						2	150	Standby		
					Cambrian System (Galesville Sandstone)	3	769	140		
Harmon	205		20,300	1977	Ordovician System (Glenwood-St. Peter Sandstones)	9	950	250		Adequate
Lee	252		75,000	1977	Sand and gravel	1	325	85		Adequate
						2	338	150	12/30/64 SWS	

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer Assessment
Paw Paw	846		160,900	1977	Cambrian System	1	1,018	180		Adequate
					(Galesville Sandstone)	2	1,033	400	9/20/71	
Steward	308		26,600	1977	Ordovician System	1	100	40		Adequate
					(St. Peter Sandstone)	2	400	200	11/7/72 SWS	
Sublette	361		35,500	1977	Ordovician System	1	752	25		Adequate
					(St. Peter Sandstone)	2	771	350	11/1/61 SWS	
Vest Brooklyn	225		10,000	1977	Ordovician System	4	675	100		Adequate
					(St. Peter Sandstone)					
					44. Livingston County					
Campus	215		20,000	1975	Sand and gravel	2	174	100		Adequate
Chatsworth	1,255		128,000	1977	Sand and gravel	2	67	100	5/17/49	Adequate
						3	99.5	100	6/6/58 SWS	
						4	232	200	6/21/60 SWS	
						5	223	200	9/19/60 SWS	
Cornell	532		26,000	1974	Sand and gravel	1	99	95	7/7/53 SWS	Adequate
Cullom	572		65,000	1976	Sand and gravel	2	152.5	125	8/29/47 SWS	Adequate
						3	145	130	9/14/61 SWS	
Dwight	3,841		425,000	1978	Sand and gravel	1	140	267		Adequate
						4	' 140	367		
						5	142	371		
						6	132	490	4/28/71 SWS	
Emmington	101		5,000	1975	Pennsylvanian System	1	550	50	7/9/71 SWS	Adequate
					(limestone)					
Fairbury	3,359		530,000	1977	Sand and gravel	1	39	240	7/9/62 SWS	Adequate
						2	40	160		
						3	57	220	6/7/60 SWS	
						4	52	350	12/7/76 SWS	
Flanagan	976		68,000	1974	Sand and gravel	2	168	100		Adequate
						3	164	60	7/13/72 SWS	
						4	173.5	50	6/30/77 SWS	
Forrest	1,219		115,000	1975	Sand and gravel	1	114	370	4/8/35 SWS	Adequate
						2	102.3	370		
						3	104.5	202		
Odell	1,076		90,000	1974	Cambrian System	3	1,940	300	5/1-2/51 SWS	Adequate
					(Err.ir.enee--Potosi Dolomite)					

Saunemin	415		27,000	1976	Sand and gravel	4	39.3	Standby	10/22/63	SWS	Adequate
						5	18 3	30	10/10/69	SWS	
						6	184	115	7/26/77	SWS	
Strawn	144		10,000	1975	Sand and gravel	1	60	34			Adequate

45. Logan County

Atlanta	1,640		140,000	1976	Sand and gravel	1	191	110			Adequate
						2	147	90			
						3	157	40	6/21/62	SWS	
						4	150	95	11/4/65	SWS	
Beason-Chestnut		500 (Est. 197S)	27,500	1978	Sand and gravel	1	50	110	8/11/72	SWS	Adequate
Droadwell	159		12,000	1975	Sand and gravel	1	47	45			Adequate
						2	53	45			
Elkhart	435		55,000	1976	Sand and gravel	1	75	Standby			Adequate
						2	77	60	9/19/68	SWS	
Emden	552		35,000	1977	Sand and gravel	1	124	150	10/2/40		Adequate
Hartsburg	363		25,000	1976	Sand and gravel	1	97	28	5/5/48	SWS	Adequate
						3	103	45	7/2/71	SWS	
Latham	361		48,000	1977	Sand and gravel	2	72.5	20	8/13/53	SWS	Adequate
						3	72	15	2/7/63	SWS	
						4	66	30	7/24/68	SWS	
						5	70	.3 0	6/15/72	SWS	
						6	74.5	100	11/12/75	SWS	
Lincoln	17,582		3,000,000	1977	Sand and gravel	5	45	300			Adequate. Dug well
						6	54	750			Dug well
						7	45	750			Dug well
						8	33	300			Used only during summer
						9	50	500			
						10	49	200			
						11	50	600			
						12	60	1,000			
Middletown	626		39,000	1975	Sand and gravel	1	155	150	4/14/41	SWS	Adequate
						2	145.5	200	6/8/73	SWS	
Mt. Pulaskl	1,677		175,000	Feb. 1978	Sand and gravel	1	SO	Standby	9/17/59		Adequate
						3	104	Standby	3/10/54		
						4	34	85	8/3-5/60		
						5	32	125	7/10/63	SWS	
						6	38.5	150	1/29/76	SWS	
Now Holland	321		30,000	Feb. 1978	Sand and gravel	1	72	50			Adequate. Well #1 alternates with W #2.
						2	74	50			

46. Macon County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Argenta	1,034		75,000	1977	Sand and gravel	1	230.5	85	3/10/54 SWS	Adequate
						2	251	100	8/21/61 SWS	
Blue Mound	1,181		98,000	1974	Sand and gravel	1	55	50	1/6/69 SWS	Adequate
						2	58	45	2/28/69 SWS	
						3	88	300	6/10/70 SWS	
Forsyth	585		45,200	1977	Sand and gravel	1	104	135	4/1/66	Adequate
						2	110.5	70	8/3/71	
Harristown		1,165 (1969)	*		Wisconsinan sand and gravel	1	31	200	4/28/75 SWS 9/21/77	*No record of system operation yet.
Long Creek Water District		3,000 (Est. 1977)	139,000	1977	Sand and gravel	1	105.5	300	1/20/76 SWS	Adequate
Macon	1,249		81,000	1973	Wlsconsinan sand and gravel	2	128	111		Adequate
						3	128	111	7/13/60 SWS	
						4	62.5	154	8/29/62 SWS	
						5	88	200	10/4/77 SWS	
Maroa	1,467		120,000	1976	Sand and gravel	1	86	45		Adequate
						2	292	110	12/2/76 SWS	
						3	290	110	12/6/76	
Niantic	705		77,000	1977	Sand and gravel	1	48	20	7/24/50	Adequate
						3	48	74		
						4	51	-	11/15/74 SWS	
Orease	1,092		62,000	1977	Sand and gravel	1	131.5	60	7/31/58 SWS	Marginal
						2	132	110	1/21/65 SWS	
Warrensburg	811	1,165 (1974)	85,000	1974	Sand and gravel	1	118	125	3/12/75 SWS	Adequate
						2	132	152	1/3/56 SWS	

47. Macoupin County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Chesterfield	262		15,000	1976	Sand and gravel	1	50	35	2/29/68 SWS	Adequate
Medora	505		50,000	1975	Sand and gravel	1	54	50	3/5/63 SWS	Adequate
						2	50	50	6/19/72 SWS	

48. Madison County

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Alhambra	594		40,700	1975	Silver Creek Valley alluvium	1	80	133	6/6/55 SWS	Adequate
						2	82	130	10/26/71 SWS	
						3	82	100	1/23/78 SWS	

Bethalto	7,074	8,001 (1974)	1,248,500	1976	Mississippi River Valley alluvium	1	93.5	190	3/11/42	SWS	Adequate
						2	92	240	3/24/42	SWS	
						3	96	400			
						6	95	500	4/21/64	SWS	
						7	90	460	2/20/70	SWS	
						8	91	650	7/28/71	SWS	
						9	92	700	7/28/71	SWS	
						10	98.4	-	3/7/78		Well #10 and Well #11
						11	91.5	-	3/2/78		are not in operation yet.
Collinsville	19,567		2,070,000	1975	Mississippi River Valley alluvium	7	102	1,050	8/8/50		Adequate
						8	99	900	1/11/57		
						9	102	900			
						10	103	900	8/12/58		
East Alton	7,309	7,665 (1972)	568,600	1975	Mississippi River Valley alluvium	1	90	500	9/8/67	SWS	Adequate
						2	91.5	500	8/31/67	SWS	
						3	103	500	8/23/67	SWS	
Edwardsville	11,070		1,334,600	1975	Mississippi River - Valley alluvium	3	114	950			Adequate
						4	116.5	650			
						5	115	1,050			
						7	117	1,500	7/28/72	SWS	
Forest Homes - Maple Park Public Water District		1,855 (Est. 1975)	75,000	1975	Mississippi River Valley alluvium	1	67	80	11/9/59		Adequate
						2	66	80	1/19/60		
Glen Carbon	1,897	3,082 (1975)	304,700	1975	Mississippi River Valley alluvium	4	106	430	4/19/63	SWS	Adequate
						5	99	450	11/28/66	SWS	
						6	105	500	9/30/77	SWS	
Hamel	454		75,000	1977	Sand and gravel	1	113	40			Marginal. 4/7/78 report
						2	113	40	8/18/67	SWS	says this 3-well aquifer
						3	110	45	9/1/76	SWS	has sustained yield of 50-60 gpm.
Hartford	2,243		393,800	1974	Mississippi River Valley alluvium	1	115	276			Adequate
						2	106	300			
						3	107	400	5/17/71	SWS	
						4	106	600	8/26/77	SWS	
Livingston	916		61,200	1975	Sand and gravel	6	140	80	2/24/65	SWS	Adequate
Marine	882		58,700	1975	Sani and gravel	1	90	43			Marginal
						2	85.5	80	11/8/63	SWS	
Maryville	1,067	1,290	200,000	1975	Mississippi River Valley alluvium	1	100	150	9/14/64	SWS	Adequate
						2	102	150	9/15/64	SWS	
Meadowbrook PWD		1,575 (Est. 1976)	72,400								Adequate. Water is ob-taincd directly from Bethalto PWS.

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Moro PWD		455 (Est. 1974)	16,000	1974						Adequate. Water is obtained directly from Bethalto PWS.
Roxanna	1.882		624,100	1975	Mississippi River Valley alluvium	1	126	Standby	3/25/37 SWS	Adequate
						5	126.5	Standby	5/10/66	
						6	120	500	4/9/69 SWS	
						7	120	500	4/4/69 SWS	
St. Jacob	659		37,000	1977	Pennsylvanian System (sandstone)	4	182	13	5/16/56 SWS	Adequate
						5	188	25	9/29/66 SWS	
South Roxana	2,241		152,800	1975						Adequate. Water is obtained from Roxana PWS.
Troy	2,144		623,200	1974	Mississippi River - Valley alluvium	1	115	300	2/25/53	Adequate
						2	115	410		
Wood River	13,186		1,283,600	1975	Mississippi River Valley alluvium	1	78.7	1,000	1/24/64 SWS	Adequate
						2	78.6	1,000	1/29/64 SWS	
						3	86	850	1/2/64 SWS	
						4	85.6	950	2/3/64 SWS	
Worden	1,091		75,000	1978	Cahokia Creek Valley alluvium	1	46	20	2/14/55 SWS	Marginal
						7	43	20	6/4/69 SWS	
						8	46	35	5/5/75 SWS	
49. Marion County										
Iuka	343		15,500	1973	Pennsylvanian System	1	77.7	15	8/25/61	Adequate
						2	79	34	6/20/62 SWS	
50. Marshall County										
Camp Crove		100 (Est. 1976)	7,500	1976	Devonian-Silurian Systems (limestone and dolomite)	3	825	21	10/12/65 SWS	Adequate
Henry	2,610		384,000	1976	Sand and gravel	3	62	500		Adequate
						4	75	500		
Lacon	2,147		275,000	1976.	Sand and gravel	1	49	400		Adequate
						2	50	230		
						3	50	235		
LaRose	165		10.000	1976	Sand and gravel	1	47	50	1/17/73 SWS	Adequate
						2	47	50	1/17/73	

Sparland	5S5	00,000	1976	Sand and gravel	2 3	30 34	100 100		Adequate
Toluca	1,319	118,900	1976	Ordovlcian System (Galena-Platteville Dolomite, St. Peter Sandstone)	2 3	1,670 1,342	160 230	11/5/51 SWS	Adequate
Varna	417	80,000	1976	Silurian System (Niagaran dolomite) Ordovician System (Calena-Platteville Dolomite, St. Peter Sandstone)	2	1,870	149	8/6/49	Adequate
Wenoma	1,080	85,000	1976	Silurian System (Niagaran dolomite) Ordovlcian System (Galena-Platteville . limestone, St. Peter Sandstone)	4 5	62 1,837	60 150	 3/29/57 SWS	Adequate
				51. Mason County					
Easton	386	24,000	1978	Sankoty sand	1 2	135 138	125 125	10/5/60 SWS 8/30/71 SWS	Adequate
Havana	4,376	810,000	1977	Illinois River Valley alluvium, Sankoty sand	2 4 5	84 75 96	650 650 630	 9/19/74 SWS	Adequate
Manito	1,334	105,000	1976	Sankoty sand	1 2 3	81 84 100	55 80 300	7/15/37 SWS 5/11/67 SWS	Adequate
Mason City	2,611	380,000	1978	Sankoty sand	3 4 5	197.5 222 208	240 140 500		Adequate
San Jose	681	60,000	1976	Sankoty sand	4	186	150		Adequate
				52. Massac County					
Drcokport	1,046	129,000	1974	Ohio River Valley alluvium	East West	207 208	120 18C		Adequate
Joppa	531	50,000	1972	Mississippian System (limestone)	1 2	448 240	250 100	12/9/52 SWS 10/30/62 SWS 4/10/63 SWS	Adequate

Facility	Population 1970 census	Population spec. census	Average daily punpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Metropolis	6,940		3,850,000	1976	Mississippian System (St. Louis and Salem Limestones)	1	270	650		Adequate
						2	420	1,300		
						3	286	1,800		
						4	400	510		
						5	400	500	5/16/55 SWS	
Millstone Public Water District	4,000 Est.		216,000	1976	Buried Cache River Valley alluvium	ICRR 1	96	300		Adequate
						ICRR 3	99	300	1/6/76	
						1	116	700	8/14/72	
53. McDonough County										
Bardolph	331		15,000	1976	Ordovician System (Galena-Platteville dolomite, and limestone	1	1,150	50	12/29/64 SWS	Adequate
Bushnell	3,703		343,500	1976	Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	1	1,509	500	3/2-3/44 SWS	Adequate
						2	1,355	500	3/24/45 SWS	
						3	1,510	500	2/20/45 SWS	
									8/23/46	
Colchester	1,747		100,000	1978	Troublesome Creek Bottomland sand and gravel	5	32	100	5/13/75 SWS	Marginal
						6	32	85	5/19/75 SWS	
						7	32	75	5/14/75 SWS	
						8	34	50		
Good Hope	477		34,000	1976	Sand and gravel	1	66	Standby	4/10/63	Adequate
						2	78	94		
Industry	558		46,200	1976	Mlssissippian System (Keokuk-Burlington dolemite)	1	450	120	5/9/51 SWS	Adequate
Prairie City	630		40,000	1976	Ordovician System (Galena-Platteville Dolomite)	1	1,375	100	5/24/54 SWS	Adequate
54. McLean County										
Anchor	200		11,800	1975	Wisconsinan sand and gravel	1	83	20	1/20/66 SWS	Adequate
Arrowsmith	305		20,000	1975	Sand and gravel	1	228	120	10/6/52 SWS	Adequate
Bellflower	400		43,200	1975	Wisconsinan sand and gravel	1	70	60	2/9-10/51 SWS	Adequate
						2	120	80	9/1/60 SWS	

Carlock	373		38,000	1977	Sand and gravel	1	254	50	8/2-3/61	SWS	Adequate
						2	245	40	11/7/77	SWS	
Chenoa 1,860		218,000	1976	Deep	Wells: Silurian and Ordovician Systems (Niagaran-Alexandrian limestone, Calena-Platccville limestone, St. Peter Sandstone) Shallow Wells: Pleistocene Series (sand and gravel)	1	2,035	65			Marginal
						2	194	42			
						3	129	22	4/6/66		
						4	1,914	115	2/9/73		
Colfax	935		85,000	1977	Sand and gravel	2	102	150	7/25/45	SWS	Adequate
						3	105	150	5/20/77	SWS	
Cooksville	241		17,500	1975	Sand and gravel	1	135	' 60	4/19/62	SWS	Adequate
						2	133	15	1/4/78		
Danvers	854		74,300	1977	Danvers Bedrock ' Valley sand and gravel	3	428	90	10/16/39	SWS	Adequate
						4	438	90	9/30/61	SWS	
Downs	651	42,000		1976	Wisconsinan glacial sand and gravel	1	107	160	10/3-4/52	SWS	Adequate
						3	134	135	5/3/72	SWS	
Ellsworth	259		14,000	1975	Sand and gravel	1	109	50			Adequate
						2	109	150	10/14/60		
Gridlev	1,007		183,000	1973	Wisconsinan and Illinoian glacial drifts	3	286	170	7/2/53	SWS	Adequate
						4	294	170	9/24/63	SWS	
Heyworth	1,441		145,000	1976	Sand and gravel	1	62	240	9/23/35	SWS	Adequate
									10/12/36	SWS	
						2	59	170	11/2/59	SWS	
Hudson	802		65,000	1976	Sand and gravel	1	160	90	8/4/55	SWS	Adequate. Well #1 is
						2	96	200	6/13/67	SWS	alternated with Well #2.
LeRoy	2,435	2,631 (1974)	213,000	1978	Sand and gravel	4	78	160	5/15/68	SWS	Adequate
						5	80	45			
						6	102	300	2/3/67	SWS	
						7	76	75	3/1/78	SWS	
Lexington	1,615		150,000	1977	Buried Danvers Bedrock Valley tributary	3	113.5	150	3/28/47	SWS	Adequate
						4	130	150	8/27/73	SWS	
McLean	820		90,000	1974	Mahomet Bedrock Valley sand and gravel	1	353	75	10/3/34	SWS	Adequate
						2	335	55			
						3	340	125	9/25/72	SWS	

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Normal	26,396	31,343 (1972)	1,981,000 1972	Wisconsinan and Illinoian sand and gravel	3	210	150	5/21/45 SWS 9/13/62 SWS	Adequate
					4	217	180	9/15/43 SWS 9/13/62 SWS	
					5	35	100	8/1/47 SWS 9/14/62 SWS	
					6	85	300	8/30/50 SWS 9/13/62 SWS	
					7	92	330	10/8/51 SWS 9/13/62 SWS	
					8	38	135	2/5/54 SWS 9/13/62 SWS	
					9	65	170	6/33/59 SWS	
					10	57	220	3/29/67 SWS	
					-11	80	360	2/22/67 SWS	
				Pre-Illinoian Sankoty sand	100	345	1,000	11/7-8/74 SWS	
					101	345	1,000	10/1-2/74 SWS	
					102	364	1,000	10/23/74 SWS	
Saybrook	814		75,000 1975	Wisconsinan sand and gravel	1	59	135	5/20/35 SWS	Adequate
					2	155	Standby	4/16/35 SWS	
Stanford	657		60,000 1977	Pre-Illinoian Sankoty sand	1	235	105		Adequate
					3	248	95	7/12/62 SWS	
55. Menard County									
Athens	1,158		81,000 *(Est.)	Sangamon River Valley alluvium	3	57	300		Adequate. *No master meter installed. Based on 70 gallons per day per capita consumption.
					4	57	150	10/2/69 SWS	
Greenview	740		85,000 1975	Sand and gravel	3	159	200	4/12/50 SWS	Adequate
					4	162	200	8/8/68 SWS	
Oakford	272		19,000 *(Est.)	Sand and gravel	1	90	Standby	8/16/56	Adequate. *Based on 70 gallons per day per capita consumption.
					2	110	140		
Petersburg	2,632		400,000 1975	Sangamon River Valley alluvium	1	48	380		Adequate. City also supplies water to Old Salem Chautauqua Association.
					3	56	300		
					4	58	400	9/12/63 SWS	
					5	55	350	8/29/66 SWS	
					6	47	280	10/20/76 SWS	
					7	102	500	6/5/78 SWS	

Tallula	643	40,000	1975	Sand and gravel	Ranney	34	120			Marginal. 5.6-9.7 hrs. needed to meet average and maximum daily consumption in 1975. However, 9/26/77 SWS correspondence indicates that village is seeking 100 gpm from Petersburg water supply. SWS report of Investigation 41, published in 1961, rates the long-term yield of Tallula's aquifer at 25,000 gallons per day during years of normal precipitation.

56. Mercer County

Aledo	3,325	284,000	1976	Ordovician System (Calena-Platteville limestone, St. Peter -. Sandstone)	2 3	1,172 1,214	550 750	3/28/56		Adequate
Jov	513	39,500	1977	Mississippian System (Kinderhook Series-shale) Devonian System (Cedar Valley formation-limestone) Silurian System (Niagaran dolomite)	1 2	440 420	75 85	2/4-5/48	SWS	Adequate
Reithsburg	836	65,000	1975	Mississippian River Valley alluvium	1 2	81 81.5	100 100	9/22-23/49 9/22-23/49		Adequate
Matherville	699	60,000	1976	Silurian System (Niagaran and Alexandrian dolomite)	1	604	125	5/28/51		Adequate
New Boston	706	116,500	1976	Mississippi River Valley alluvium	1 2	76.5 80	100 100	1/16/76	SWS	Adequate
New Windsor	723	68,000	1976	Devonian System (Cedar Valley-Wapsipinicon dolomite and limestone) Silurian System (Niagaran dolomite)	1 2	546 658	Standby 130	6/8/53		Adequate
North Henderson	246	16,000	1977	Devonian System (Cedar Valley-Wapsipinicon dolomite and limestone) Silurian System (Silurian dolomite)	1	710	85	7/30-31/57		Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Seaten	251		38,800 1976	Devonian System (lime rock)	1	244	Standby		Adequate
					2	364	200	6/16-17/52	
Sherrard	808		58,000 1976	Devonian System (Cedar Valley-Wapsipinicon limestone) Silurian System (dolomite)	1	660	60		Adequate
					2	670	175	9/19-20/63	
Sweiona		150 (Est. 1976)	10,500 1976	Devonian System (Cedar Valley-Wapsipinicon limestone) Silurian System (dolomite)	1	533.5	45		Adequate
Viola	946		80,000 1976	Devonian-Silurian Systems (limestone and shale) Ordovician System (Maquoketa Shale)	1	1,281	175		Adequate
					2	651	100		
				57. Monroe County					
Hacker	380	430 (1974)	24,000 1975	Mississippian System (Cypress Sandstone and Aux Vases Sandstone of Chester Series)	1	314	5	3/29/55 SWS	Adequate
					2	304	4	8/31/55 SWS	
					3	305	7		
					4	305	9		
					5	300	19		
Maeystown	109		*	Sand and gravel	1	58.5	100	8/2/76 SWS	Adequate. *Not yet in operation.
Valmeyer	733		114,500 1975	Mississippi River Valley alluvium	2	57	135		Adequate
					3	83.7	166	10/19/70 SWS	
				58. Montgomery County					
Coalton	304			10.000		1973			Adequate. Water obtained from Nokomis Public Water Supply.
Farmersville	495		55,000 1976	Sand and gravel	1	52	45	1/9/73 SWS	Marginal. No record of actual operation of Well #4 as of April 1978.
					2	45	32	1/9/73 SWS	
					3	51	15	4/21/77 SWS	
					4	70	40	1/13/78 SWS	
Fillmore	397		15,000 1977	Illinoian sand and gravel	1	40	16	12/3/62 SWS	Marginal
					2	63	10	7/26/77 SWS	
Harvel	275		40,000 1977	Sand and grovel	1	38	120	2/26/54 SWS	Adequate
Irving	599		25,000 1971						Adequate. Water is obtained from Witt Public Water Supply.

Nokomis	2,532		180,000	1978	Illinoian sand and gravel	1	40	*		Adequate. *Combined output of Wells #1,2, and 3 is 65 gpm.
						2	40	*		
						3	40	*		
						4	40	60		
						6	41	90	8/22/51 SWS	
						7	38.5	35	12/10/70 SWS	
						8	40	50	3/23/77 SWS	
Reymond	890		80,000	19 77	Sand and gravel	1	30	75		Adequate
						2	39.5	75	12/11/53 SWS	
						3	36	75	12/20/54 SWS	
						4	52	60	12/5/77	
Waggoner	257		10,000	1975	Sand and gravel	1	52	40	2/12/65	Adequate
						2	53.5	15	6/10/68	
Witt	1,040		110,000	1977	Sand and gravel	1	39	70		Adequate
						2	39	70		
59. Morgan County										
Chapin	552		35.000	1969	*					Adequate. *Water is obtained from the Jacksonville Public Water Supply.
Jacksonville	20,553		3,500,000	1977	Sand and gravel	Ranney Well	93	2,600 2,450 1>600	9/1-11/55	Adequate. Three pumps. Water is obtained from the Ranney Well and/or Morgan Lake.
Meredosia	1,178		120,000	1976	Sand and gravel	2	60	55	5/1/50 SWS 2/5/73 SWS	Adequate
						3	84	120		
						4	87.5	130		
South Jacksonvllle	2,950	3,231 (1974)	271,800	1976	Sand and gravel	1	79.6	325	9/1/67 SWS	Adequate
						2	63	325	12/21/66 SWS	
60. Moultrie County										
Bethany	1,235		94,700	1978	Kaskaskia River Valley alluvium	1	76	90	2/15/54 SWS	Adequate
						4	74	65	6/22/54	
						5	75	30		
						6	67	108	4/30/63 SWS	
						7	63	125		
Dalton City	427		30,000	1976	Sand and gravel	1	108	4	9/5/56 SWS	Adequate
						2	78	100	5/8/67 SWS	
Cays	269		14,000	1976	Sand and gravel	1	114.5	3	12/15/60 SWS	Marginal. No longer a Public Water Supply. Gays purchases water from Sullivan.
						2	111	5	10/19/60 SWS	
						3	110	20	11/16/64 SWS	

Facility	Population 1970 census	Population spec. census	Average daily pun-page (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Lovington	1,303		83,000	1978	Sand and gravel	2	130	150		Adequate
						3	130.	60		
						5	133	100		
						7	108	100	7/21/71 SWS	
Sullivan	4,112		500,000	1973	Sand and gravel	1	129	300		Adequate. City also sup-
						2	120	300		plies water to Moultrie
						3	91	300	10/6/54 SWS	County Water District.
					61. Ogle County					
Byron	1.749	1,852 (1976)	400,000	1977	Ordovician System (St. Peter Sandstone) Cambrian System (Galesville Sandstone)-	1	2,000	600		Adequate
						2	673	300		
						3	715	1,000	9/11-12/69 SWS	
Creston	595		65,400	1976	Ordovician System (Galena-Platteville limestone, St. Peter Sandstone)	1	585	Standby		Adequate
						2	732	250	12/30/55 SWS	
Forreston	1,227		145,000	1976	Cambrian-Ordovician Systems (St. Peter Sandstone, Ironton Sandstone)	1	400	200		Adequate
						2	1,000	400	11/3/52 SWS	
Hillcrest	630		63,400	1977	Ordovician System (St. Peter Sandstone)	1	387	225	10/5/64 SWS	Adequate
Leaf River	633		72,700	1977	Ordovician System (Platteville Dolomite, St. Peter Sandstone)	2	325	250	12/21/45 SWS	Adequate
Mt. Morris	3,173		352,700	1977	Cambrian System (Galesville Sandstone, Eau Claire sandstone) Cambrian and Pre-Cambrian Systems (Mt. Simon Sandstone)	2	1,147	Standby		Adequate
						3	1,807	240		
						4	1,452	430		
Oregon	3,539		445,500	1976	Cambrian System (Eau Claire sandstone) Cambrian and Pre-Cambrian Systems (Mt. Simon Sandstone)	1	1,690	270		Adequate
						2	1,200	480		
						3	1,200	550		
Polo	2,542		284,000	1977	Cambrian System (Eau Claire sandstone) Cambrian and Pre-Cambrian Systems (Mt. Simon Sandstone)	2	1,200	260		Adequate
						3	1,260	500	4/22/48 SWS	

Rochelle	8,594	8,050 (1974)	4,000,000	1977	Cambrian System (Eau Claire sandstone) Cambrian and Pre-Cambrian Systems (Mt. Simon Sandstone) Ordovician System (St. Peter Sandstone)	3 4 5 6 7 8 9 10	1,484 1,450 502 867 925 935 888 920	Standby 1,000 575 600 Standby 1,800 1,200 1,200	 4/28/38 SWS 12/23-24/58 SWS 11/17-18/61 SWS 9/2-3/60 SWS 1/24-25/66 SWS		Adequate
Stillman Valley	871	1,004 (1975)	85,000	1976	Ordovician System (St. Peter Sandstone)	1 2	300 460	Standby 280			Adequate
					62. Peoria County						
Brimfield	729		55,000	1977	Ordovician System (Galena-Platteville Dolomite, Glenwood-St. Peter Sandstone)	1	1,257	150			Adequate
Chillicothe	6,052		750,000	1977	Pleistocene Series - (glacial drift, sand and gravel)	1 2 3 6 7	80 127 123 111 100	300 350 350 Standby 250	 11/2/49 2/17/56 4/8/42 SWS 8/27/51		Adequate
Dunlap	656		70,000	1975	Silurian System (dolomite). Ordovician System (Galena-Platteville Dolomite, Glenwood-St. Peter Sandstone)	1	1,690	150	6/29/64		Adequate
Edelstein Water-works Co-op		115 (Est. 1977)	6,000	1977	Ordovician System (Galena-Platteville Dolomite, Glenwood-St. Peter Sandstone)	1	1,885	50	2/19/64 SWS		Adequate
Elmwood	2,014		160,000	1977	Silurian System (Niagaran-Alexandrian dolomite) Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	1 3	1,498 1,572	250 300	 3/15-16/51		Adequate
Clasford	1,066		80,000	1978	Mississippian System (Burlington-Keokuk Limestone) Ordovician System (Galena-Platteville limestone, St. Peter Sandstone)	1 2	1,669 1,618	160 240	 10/22/71 SWS		Adequate

Facility	Population 1970 census	Population spec. census	Average dally pumpnge (gallens)	(vr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Hanna City	1,282		125,000	1977	Mississippian System (Kinderhook shale and dolomite) Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	1	1,848	70	2/27/52 1/23/57 3/13/69 SWS	Adequate
						2	1,864	100	7/12-13/57 3/13/69	
Kingston Mines	380		22,000	1978	Ordovician System (Maqueketa shale and dolomite, Calena-Platteville Dolomite)	1	1,560	100		Adequate
Mapleton	281		15,000	1978	Sand and gravel	1		100		Adequate
Peoria	126,963	172,127 (Est. 1977)	15,500,000 *	1978	Sankoty sand and gravel	-	Main and Reserve wells:			Adequate. *An additional 8.5 mgd comes from surface water source.
							Main 33	6 MGD		
							Reserve 63	5.5 MGD		
							Sankoty wells:			
							7	91.2 2 MCD		
							8	89.2 2.3 MGD		
							9	95 2.5 MGD		
							10	93.2 2.5 MGD		
							12	140 2.75 MGD		
							14	132 2.16 MGD		
							15	123.5 2.0 MCD		
							Dodge Street wells:			
							1	118.5 2.5 MCD		
							2	113.7 2.5 MCD		
							3	124 2.5 MGD	4/21/48	
							4	122.2 2.5 MCD		
							Griswold Street wells:			
							1	166.7 2 MGD		
							2	162 2 MCD	12/30/53	
Peoria Heights	7,943	8,239 (1975)	3,500,000	1977	Pleistocene Series (Sankoty sand, glacial drift and alluvium)	5	135	650-800		Adequate. Wells #5 and #6 are alternated with wells #7 and #8.
						6	122	500	12/8/61 SWS	
						7	129	650		
						8	123	800-1000	8/11/72 SWS	
						9	103	650	8/7/73 SWS	
						10	131	650		
Pleasant Valley Public Water District		3,200 (Est. 1976)	226,000	1976	Sand and gravel	2	106	235		Adequate
						3	128	325	7/8/69 SWS	
Princevilla	1,455		200,000 *	1976	Silurian System (Niagaran-Alexandrian dolomite) Ordovician System (St. Peter Sandstone)	1	1,600	325		Adequate. *600,000 gallons per day for canning season from June to October .
						2	1,342	375	9/9/38 SWS	
						3	1,680	440	5/6/71 SWS	

Rome Water Works		270 (Est. 1977)	14,000	1977	Sand and gravel	1 2	85 54	55 90			Adequate
Trivoli Public Water District		350 (Est. 1977)	14,000	1977	Silurian System (dolomite)	1	1,193	70	9/10/70		Adequate
					63. Perry County						
Cutler	508		35,000	1974	Pennsylvanian System (sandstone)	2 3	575 595	87 150	4/11/78 SWS		Adequate
Willisville	659		30,000	1972	Pcnnsylvanlan System (sandstone and limestone)	1 2	550 555	110 110	3/20/40 SWS 7/13/54 SWS		Adequate. In 1974 Willisville started receiving water from Kincald Reeds Creek Conservation District.
					64. Piatt County						
Bement	1,638		165,000	1976	Sand and gravel	1 2	139 163	300 300			Adequate
Cerro Gordo	1,368	1,466 (1975)	100,000	1974	Sand and gravel	3 6 7 8	29 25 31 156	Standby 70 70 250	5/11/49 SWS 10/16/68 SWS 7/8/71 SWS 5/22/75 SWS		Adequate
Cisco	358		28,000	1977	Sand and gravel	2 3	113 215	60 75	10/17/53 SWS		Adequate
DeLand	418		30,000	1974	Sand and gravel	1 3 4 5	65 81 79.5 83	30 30 25 30	12/9/35 SWS 4/21/61 SWS		Adequate
Hammond	502		32,000	Jan. 1978	Sand and gravel	1 2	87 87	200 130			Adequate
LaPlace		400 (Est. 1974)	17,000	1974	Sand and gravel	1	55	50	7/9/70 SWS		Adequate
Mansfield	870		80,200	1977	Sand and gravel	2 3	210 215	155 237	10/16/53		Adequate
Montleello	4,130	4,360 (1973)	500,000	1977	Sand and gravel	1 2 4 5	209 212 263 2 74	Standby Standby 850 800	6/9/58 1/15/73 SWS		Adequate
White Heath		300 (Est. 1974)	13,500	1974	Sand and gravel	1	233	75	8/19-20/69 SWS		Adequate

65. Pike County

Facility	Population 1970 census	Population spec. census	Average daily punpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Barry	1,444		137,000 1978	Sand and gravel	1	71.5	135	7/2-3/56 SWS	Adequate. Wells #1 and #2 operate alternately. Combined output during simultaneous operation is 200 gpm.
					2	71.5	155	7/18-19/56 SWS	
Baylis	307		5,000 1977	Mississippian System (Keokuk-Burlington Limestone)	1	429	2.5	8/20/57 SWS	Deficient. Currently limit on the water usage by village ordinance.
					2	450	5	12/30/58 SWS	
					3	500	3		
Griggsville	1,245		150,000 1977	Sand and gravel	1	29.7	100	10/24/63	Adequate
					2	30.2	60	10/24/63	
					3	31	35	10/24/63	
					4	34	75	8/10/65 SWS	
					5	84	200	1/3/78 SWS	
					6	70.9	200	12/21/77 SWS	
Hull	585		70,000 1976	Sand and gravel	1	51	100	3/24/36 SWS	Adequate. Wells #1 and #2 are alternated on a monthly basis.
								6/17-18/36 SWS	
					2	45	146		
Kinderhook	281		27,000 1976	Sand and gravel	1	40	75	3/22/40	Adequate
					2	38.5	75	4/16/58	
Milton	337		18,000 1977	Mississippian System (Burlington Limestone)	1	113	Standby	4/3/65	Adequate
					2	118	Standby	6/5/56	
					4	56	30	11/24/69 SWS	
Nebo	454		75,000 1977	Bay Creak alluvium	1	43	50	2/9/53	Marginal
					2	52	50	9/12/73	
New Canton	486		25,000 1976	Sand and gravel	1	54	90	5/27/52	Adequate
					2	55	Standby		
Pearl	323		50,000 1977	Limestone outcropping	Spring	—	50		Marginal
Perry	451		40,000 1977	Sand and gravel	1	52	70	4/3/56 SWS	Adequate
					2	74	85	5/24/56 SWS	
Pleasant Hill	1,064		110,000 1977	Sand and gravel	1	57	175	6/16-17/36 SWS	Adequate
					2	60	175	11/4/63 SWS	

66. Pulaski County

Karnak	641		49,100 1977	Sand and gravel	1	37	100	6/10/53	Adequate
Mounds	1,718		338,000 1976	Devonian System (Clear Creek Chert)	1 (NW)	596	300	11/11/63	Adequate
					2 (SW)	596	300	11/11/63	

Mound City	l,i77		135,000	1975	Devonian System (Clear Creek Formation)	1	630	350		Adequate
Olmsted	453		40,000 (Esc. 1971)		Mississippian System (Osage siltstone and Klnderhook sandstone) Devonian System (Clear Creek Chert)	1	1,000	98	8/1-2/40	Adequate
Pulaski	471		17,000	1974	Cretaceous System (sand and gravel)	1A	88	50	12/15/65 SWS	Adequate
Ullin	546		72,300	1973	Cretaceous System (sand and gravel)	1	150	200	7/30/59	Adequate
67. Putnam County										
Granville-Mark	1,611		140,000	1977	Ordovician System (St. Peter Sandstone).	1	1,741.5	92		Adequate
						2	1,793	200	12/14/48 SWS	
Hennepin Public Water District		650 (Est. 1973)	152,000	1977	Illinois River Valley alluvium	3	100	430	11/28/55 SWS	Adequate
						4	107	430		
						5	135	650		
Magnolia	328		33,000	1976	Wisconsinan sand and gravel	1	320	Standby		Adequate
						4	138	100	11/13/73	
Mcilabb	246		23,700	1976	Wisconsinan sand and gravel	2	250	100		Adequate
Standard	282		20,000	1977	Ordovician System (St. Peter Sandstone)	2	1,802	200		Adequate
68. Randolph County										
Baldwin	467		68,500	1975	Kaskaskia River Valley alluvium	1	65	75	5/6/64 SWS	Adequate
						2	60	40	10/30/70 SWS	
Percy	967		88,200	1977	Pennsylvanian System (sandstones of Pott3-ville Formation)	1	427	110	1/15/35 SWS	Adequate
									8/11/53 SWS	
									8/8/55 SWS	
									10/9/57 SWS	
Prairie du Rocher PWD		700 (Est. 1974)	45,800	1974	Mississippi River Valley alluvium	1	86	100	5/8/40 SWS	Adequate
						2	72.6	105	5/6/60	
Red Bud	2,559		310,000	1978	Mississippian System ---x Vases Sandstone.)	2	283	30	9/1/34 SWS	Marginal. Mutual interfer-once effects do not permit all wells to operate simultaneously.
						3	293	95		
						4	289	38	1/17/51 SWS	
						5	281	50	7/12-13/61	
						6	285	65	9/1/67 SWS	
						7	281	54	7/16/70 SWS	
						8	306	85	3/28/73	
						9	272	32	3/21/75 SWS	
						10	230	35		

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Ruma	154	196 (1975)	12,000	1973	Mississipplan System (sandstones of Chester Series)	1	315	65	8/20/62 SWS	Adequate
						2	314	30	3/15/09 SWS	
Steeleville	1,957	2,256	190,000	1975	Pennsylvanian System (sandstones of Potts-ville Formation)	1	285	85	8/25/48 SWS	Adequate
									7/14/54 SWS	
						3	319	100	12/14/66 SWS	
						4	314	65	4/10/74 SWS	
						5	335	92	12/15/75 SWS	
69. Richland County										
Calhoun	238		8,000	1972	Pennsylvanian System (sandstone)	1	310	12	5/29/62 SWS	Adequate
						2	330	15	8/2/62 SWS	
Claremont	269	325 (Est. 1973)	10,000	1973	Pennsylvanian System" (sandstone).	1	350	15	11/29/54 SWS	Adequate
						2	340	18	9/1/65 SWS	
Noble	719		60,000	1978	Pennsylvanian System (sandstone)	1	247	5		Marginal
						3	238	2		
						4	230	6		
						6	148	5	4/10/64 SWS	
						7	137	6	4/10/64 SWS	
						9	215	10		
						10	257	3	5/12/77 SWS	
Parkersburg	262		6,300	1972	Pennsylvanian System (sandstone)	1	316	30	8/28/56 SWS	Adequate
						2	297	16	10/17/56 SWS	
West Liberty-Dundas Water District		548 (Est. 1975)	18,500	1975	Pennsylvanian System (sandstone)	1	174	10	7/19/68 SWS	Adequate
						2	168	3	1/15/69 SWS	
						3	170.5	6	4/4/69 SWS	
						4	200	3	2/3/77 SWS	
70. Rock Island County										
Andalusia	950	1,094 (19 74)	100,000	1976	Devonian System (limestone)	1	150	180	10/19/54	Adequate
						3	170	155		
Carbon Cliff	1,369		65,000	1974	Ordovician System (Galena Dolomite, St. Peter Sandstone)	1	1,105	300	8/9-10/51	Adequate
						2	300	130	10/29/69	
Coal Valley	3,088		323,000	1976	Devonian-Silurian System (limestone)	2	555	300	7/26-27/62 SWS	Deficient
Cordova	589		42,000	1973	Silarian System (Niagara-Kankakee dolomite)	1	340	250		Adequate

Edgington Commenty		30 (1976)	2,000	1976	Devonian System (dolomite and limestone)	1	525	20			Adequate
Milan	4,873	6,036 (1975)	570,000	1976	Ordovician System (Galena-Platteville limestone)	1 2 3	1,157 320 453	80 140 330	 6/28/54 1/28/55		Adequate
Port Byron	1,222		101,000	1977	Silurian System (dolomite)	2 3	462 460	170 160	9/26/52		Adequate
Rapids City	656		65,100	1976	Silurian System (Niagaran-Alexandrian limestone)	1 2	533 540	112 250			Adequate
Reynolds	610		65,000	1976	Silurian System (Niagaran limestone)	1	630	150	4/7-8/52		Adequate
Silvis	5,907		563,000	1976	Silurian System (dolomite) Ordovician System (Glenwood-St. Peter Sandstone)	3 4 5	1,680 480 450	600 230 500	5/1/56 5/3/69 6/24-25/70		Adequate
Silvis Heights Subdivision		3,000 (Est. 1973)	120,000	1973	Silurian System (Niagaran-Alexandrian dolomite)	1 2	555 556	180 265	1/13/53 SWS 1/24/58 SWS		Adequate
					71. Saline County						
Stonefort	325		8,200	1972	Pennsylvanian System (sandstone)	1	90	40	8/18/58 SWS		Adequate
					72. Sangamon County						
Curran-Gardner Township OWD		3,230 (Est. 1977)	320,000	1977	Sand and gravel	1 2	50 55	300 250	12/12/68 SWS 11/22/68 SWS		Adequate
Dawson	427	504 (1974)	80,000	1976	Sangamon River Valley alluvium	1 2	35.5 54	100 100	1/24/67 SWS 1/21/67 SWS		Adequate
Fancy Creek Township PWD					Sangamon River Valley alluvium						Several tost holes drilled including aquifer analysis of TH#2 on 12/30/66. As of Feb. 78, no record of any public groundwater supply system installed.
Ill??opolis	1,122		165,000	1977	Illinoian sand and gravel	1	45	30			Adequate. Village is obtaining public water supply from DeKalb Agricultural Research, Inc. which obtained 7 mgd from 4 drilled drift wells. Local village well #1 is active only for emergency cases.

Facility	Population 1370 census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
DeKalb Agricultural Research, Inc.		1,200 (Est. 1977)	1,000,000 1977	Sangamon River Valley alluvium	9 10 11 12	56.5 58 60 59.5	300 300 200 200	1/17/69 3/5/69 5/2/72 5/3/72	Marginal. Furnishes water to: 1) Illiopolis public water supply 2) Agricultural Research Inc. 3) Borden Chemical Co.
Mechnnicsburg-Buffalo Water Comm.		1,000 (Est. 1977)	120,000 1975	Sand and gravel	1 2	44.5 48	150 153	11/30/56 SWS 9/9/71 SWS	Adequate
Pleasant Plains	644		53,400 1977	Sand and gravel	2 3	60 62	200 200	12/12/75 SWS 12/6,28/76 SWS	Adequate
Riverton	2,090		275,000 1976	Sand and gravel	1 2 3	47 52 53	200 200 250	11/30/61 12/1/61 9/11/72 SWS	Adequate
Spauldir.g Height PWD		550 (Est. 1973)	25,000 1973						Adequate. Water is obtained from Riverton.
Sugar Creek PWD		700 (Est. 1973)	35,000 1973						Adequate. Water is obtained from Riverton.
Wiliiamsville	923		100,000 1972	Sangamon River Vailey alluvium	3 4	55 56	70 100	9/6/55 SWS 5/19/64 SWS	Adequate
				73. Schuyler County					
Browning	276		*	Illinois River Valley alluvium	1	90	85	5/19/77	Adequate. Well drilled in 19 77. No record of operation.
Rushville	3,300		415,000 1976	Illinois River Valley alluvium	1 4 5	60 61 62	320 Standby 350		Adequate
				74. Scott County					
Bluffs	866		82,000 1976	Illinois River Valley alluvium	2 3	57 59	50 250	10/9/58 SWS	Adequate
Manchester	335		20.000 1972						As of 1977, village is obtaining water directly from Roodhouse public water supply, Greene Co,

Winchester	1,788	200,000	1978	Sandy Creek Valley alluvium	7 8 9 10	63 52 46 48	100 100 85 85	1/19/65 5/8/69	Marginal
75. Shelby County									
Cowden	537	68,000	1976	Kaskaskia River Valley alluvium	2 3	56 51	115 95	 10/22/54 SWS	Adequate
Findlay	809	93,200	1975	Kaskaskia River Valley alluvium	1 2	154 163	130 155	6/26/35 SWS 3/12/71 SWS	Adequate
Herrick	537	32,000	1976	Illinoian sand and gravel	1	78	55	5/22/64 SWS	Adequate
Moweaqua	1,687	110,000	1971	Sand and gravel	4 5 6 7 8 9 10 11 12	30 30 30 28 28 28 30 30 30	25 35 35 10 15 15 18 25 25		Adequate. New well field was developed northwest of village in Macon & Christian Counties. New system is expected to be operational in the fall of 1978.
Shelbyville	4.887	575,000	1975	Kaskaskia River Valley alluvium	1 3 4 5 6 7	60 57 59 61 63 60.5	190 275 350 350 350 250	10/24/55 SWS 6/8/55 SWS 7/20/70 SWS 2/20/69 SWS 7/14/70 SWS 7/3/69 SWS	Adequate
Sigel	337	15,000	1975	Illinoian sand and gravel	1 2	65 64	23 25	1/5/72 SWS 9/22/72 SWS	Adequate
Stevardson	729	70,000	1976	Sand and gravel	1	50	90	6/1/55 SWS	Adequate
Strasburg	456	30,000	1972	Sand and gravel	1	37	50	4/27/64 SWS	Adequate
Tower Hill	683	24,200	1975	Sand and gravel	4 5	48 48	60 60	11/26/71 11/26/71	Adequate
Windsor	1,126	107,500	1977	Sand and gravel	2 5 6 7 8	131 63 100 64.5 100	24 20 27 20 27	2/22/49 4/10/72 2/27/74 SWS	Marginal
76. Stark County									
Bradford	885	113,000	1976	Ordovician System (Galena-Plattcville Limestone, Clenwood Sandstone)	1 , 2	2,082 2,052	85 190	 10/7/36 SWS	Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
LaFayette	268		10,500	1975	Devonian-Silurian Systems (limestone and dolomite)	1	758	85	9/8/59 SWS	Adequate
Toulon	1,207		102,000	1975	Silurian System (Alexandrian limestone) Ordovician System (St. Peter Sandstone)	1	1,452	175	12/7/43 SWS 6/10/57 SWS	Adequate
						2	780	238	9/10/42 SWS	
Wyoming	1,563		150,000	1976	Ordovician System (Galena-Platteville Dolomite, St. Peter Sandstone)	1	1,557	195		Adequate
						2	1,400	300	4/17/47 SWS	
					77. St. Clair County					
Fayetteville	379		24,100	1977	Kaskaskia River Valley alluvium	1	88	100	5/4/59 SWS	Adequate
Millstadt	2,168	2,332 (1972)	163,800	1975	Mtssissippian System (Aux Vases Sandstone)	1	300	23		Marginal
						2	300	2		
						3	310	4		
						4	317	10		
						6	320	34		
						7	305	33		
						8	338	15		
						9	301	11		
						10	300	70		
Mound PWD		1,950 (Est. 1975)	92,000	1975	Sand and gravel	1	90	100	7/29/58	Adequate
						2	92	100		
Smithton	847	1,147 (1975)	58,100	1975	Mississippian System (Chester Series sandstone)	2	200	21	12/4/50 SWS 6/2/70 SWS	Adequate
						5	200	35		
						6	202	35	10/26/70 SWS	
St. Libory	448		35,000	1975	Sand and gravel	1	65	100	10/23/63 SWS	Adequate
					78. Stephenson County					
Cedarville	578	724 (1974)	60,000	1977	Ordovician System (St. Pater Sandstone)	1	401.5	200	4/26/49 SWS	Adequate
						2	245	300		
Dakota	440	53,000	1977		Ordevician System (St. Feter Sandstone)	1	516	215	9/5/57 SWS	Adequate
						2	480	340		

Davis	525		42,000	1977	Ordovician-Cambrian Systems (Glenwood-St. Peter Sandstone)	1 2	430 284	175 60	2/24/55	SWS	Adequate
Freeport	27,736		4,800,000	1977	Ordovician System (St. Peter Sandstone)	2 3 4 5 6	415 502 425 137 472	1,700 1,700 1,650 2,900 1,650	 1/27/54 6/29/64	 SWS	Adequate
German Valley	206		30,000	1977	Ordovician System (St. Peter Sandstone)	1	560	100	10/18/71	SWS	Adequate
Lena	1,722		190,000	1977	Ordovician-Cambrian Systems (St. Peter Sandstone, Galesville Sandstone)	1 2	606 998	100 400			Adequate
Orangeville	538		40,000	1977	Ordovician System (St. Peter Sandstone)	1 - 2	304 314	220 220			Adequate
Pearl City	535		85,000	1977	Ordovician System (St. Peter Sandstone)	3 4	625 668	210 210	9/3/69 7/8/68	SWS SWS	Adequate
Rock City	251		16,000	1977	Ordovician System (Glenwood-St. Peter Sandstone)	1	432	200	2/19/57	SWS	Adequate
Winslow	330		43,000	1977	Ordovician System (St. Peter Sandstone)	2	355	500			Adequate

79. Tazewell County

Armington	368		25,000	1976	Sankoty sand and gravel	1 2	213 250	75 100	10/14/48	SWS	Adequate
Creve Coeur	6,440	6,594 (1973)	850,000	1978	Sand and gravel	1 3 4	91 78 81	550 750 1,050	 2/17/71	 SWS	Adequate
Deer Creek	647		80,000	1976	Sand and gravel	1 3	267 335	75 150	 6/17/75	 SWS	Adequate
Delnvan	1,844		180,000	1976	Sand and Gravel	1 2	158 160	265 325			Adequate
East Peoria	21,265		2,100,000	1975	Sand and gravel	Allison St. W#1 Allison St. W#2 Catherine St. W#1 N. Main St, W#1 S. Main St. W#2 Meudow Ave, W#1 Meadow Ave. W#2	51 46 80 .95 100 113 115	250 250 450 450 350 350 300	2/28/49 8/2/50		Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Green Valley	617		40,000	1976	Sand and gravel	1	115	65	10/27/48	Adequate
						2	115	Standby		
Hopedale	923		80,000	1976	Sand and gravel	2	180	200		Adequate
						4	222	210		
						5	205	250	8/2/71 SWS	
Mackinaw	1,293		165,000	1977	Mackinaw River Valley alluvium	1	43	50	11/25-26/41 SWS	Adequate
						3	41	160		
						4	42	140	8/17/71 SWS	
Marquette Heights	2,758		261,000	1976	Sand and gravel	3	125	450		Adequate
						4	95	450	2/13/64 SWS	
						5	94	450	2/24/65 SWS	
Minier	986		85,000	1976	Sand and gravel	3	193	190		Adequate
						4	193	240		
Morton	10,811	12,217 (1973)	1,945,000	1976	Sand and gravel	3	253	650		Adequate. * As of July 1977, W#8, W#9, W#10 drilled & pump test done but no record of operation ,
						4	264	685		
						5	280	600	7/7/70 SWS	
						6	280	400	8/6/70 SWS	
						7	280	600	9/20/73 SWS	
						8	279	*	7/21/76	
						9	278	*	7/27/77	
						10	275	*	7/7/77	
North Pekin	1.886		179,000	1977	Sand and gravel	1	81	200	5/15/51 SWS	Adequate
						2	104	400	8/15/73 SWS	
North Tazewell Public Water District		10,000 (Est. 1977)	716,000	1977	Sand and gravel	2	283	Standby		Adequate
						3	284	Standby	6/11/58	
						4	270	1,200	1/31/67 SWS	
						5	260	1,200	7/1/68 SWS	
Pekin	31,375	32,315 (1974)	4,600,000	Jan. 1978	Sand and gravel	1	91	1,460		Adequate
						2	92	1,550		
						3	100	1,550		
						4	119	800		
						5	146	1,500		
						6	139	1,500		
						7	120	1,550	8/8/69	
South Pekin	955		95,000	1977	Sand and gravel	3	90	400		Adequate
						4	112	450	2/26/73 SWS	
Tremont	1,942		222,000	1977	Sand and gravel	3	133	Standby		Adequate
						4	154	Standby	3/30/49 SWS	
						5	162	Standby		
						6	212	400	5/25/65 SWS	

Washington	7,722	9,466 (1973)	700,000	1977	Sand and gravel	6 7	325 306	650 925	3/12/70 SWS 3/12/70 SWS		Adequate

80. Union County

Anna	4,766		633,000	1974	Mississippian System (Warsaw, Keokuk-Burlington Limestone)	1A 2	1,031 650	250 350	5/21/36 SWS		Adequate. Water is obtained from Anna-Jonesboro Water Commission's public water supply.
Anna-Jonesboro Water Commission		9,038 (Est. 1974)	851,300	1971	Mississippi River Valley alluvium	1 2 3 4	81 81 88 83	625 625 600 650	12/22-23/69 1/21-22/70 2/23/77 12/22/76		Adequate. Water Commission supplies water to Anna, Jonesboro, and Shawnee Valley PWD.
Cobden	1,114		46,400	1964	Mississippian System (Cypress Sandstone)	1 2	227 253	160 160	7/2/64 SWS		Adequate
Dongola	825		48,000	1952	Mississippian System (St. Louis Limestone)	1	301	70			Adequate. Water is mainly obtained from lake. Groundwater is for the standby supply.
Jonesboro	1,676		85,000	1962							Adequate. Water is obtained from Anna-Jonesboro Water Commission's Public Water Supply. Well field is located in Anna.

81. Vermilion County

Allerton	327		14,000	1978	Sand and gravel	1 2	50.5 50	50 35	11/26/54 SWS		Adequate
Alvin	318		27,000	1977	Sand and gravel	1	103	50	10/28/69 SWS		Adequate
Bismarck Community Water District		600 (Est. 1974)	35,000	1974	Sand and gravel	1	201	100	8/6/69 SWS		Adequate
East Lynn Community Water System		200 (Est. 1974)	7,000	1974	Sand and gravel	1	150	75	9/14/71 SWS		Adequate
Fairnount	785		60,000	1974	Pleistocene Series (glacial drift), Pcnnsylvanian (sandstone)	2 3	72 48	40 45	6/12/50 SWS 8/17/64 SWS		Adequate
Fithian	562		28,000	1975	Pleistocene Series (Wisconsinan drift) Pennsylvanian (sandstone)	1 2 3	36 32 220	60 30 50	3/1/51 SWS 10/21/63 SWS 11/8/71 SWS		Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Hoopeston	6,461		953,000	1977	Sand and gravel	3	110	625	7/17/63 SWS	Adequate
						4	110	750	7/17/63 SWS	
						5	104	1,425	3/3/65 SWS	
						6	98	1,740	12/12/73 SWS	
InJianola	374		30,600	1978	Swank Creek alluvial deposits	1	21	14	9/16/63 SWS	Marginal.
						2	17.5	7	8/11/52 SWS	
						3	49	40	11/19/76 SWS	
Oakwood	1,367		38,900	1976	Sand and gravel	3	73	27	6/2/77 SWS	Marginal. Additional 76,000 gallons per day obtained from surface supply, Salt Fork of the Vermilion River.
Potomac	909		55,800	1976	Sand and gravel	4	189	80	12/22/64 SWS	Adequate
						5	178	125	9/10/73 SWS	
						Artesian Well		40		
Rankin	727		72,700 *		Sand and gravel	1	270	50		Adequate. *No Master Meter. Consumption based on 100 gallons per day per capita.
						2	282	80		
Ridge Farm	1,015		113,900	1978	Sand and gravel	1	87	125	5/20/35 SWS	Adequate
						2	90	100	4/22/49 SWS	
						3	96	115	3/30/65 SWS	
Rossville	1,420		120,000	1974	Sand and gravel	4	142	340	8/16/73 SWS	Adequate
						5	135	250		
Sidell	645		43,000	1976	Sand and gravel	3	28	30	8/10/66 SWS	Adequate
						5	66	60	12/22/64	
Vermilion Grove Waterworks Corp.		150 (Est. 1978)	7,800	1978						Adequate. Water is obtained from Ridgefarm Public Water Supply.
					82. Wabash County					
Allendale	425		21,800	1971	Pennsylvanian System (sandstone)	1	200	6	9/28/49 SWS	Adequate
						2	206	8	10/19/49 SWS	
						3	170	10.4	1/4/49 SWS	
						4	170	8	2/8/50 SWS	
						5	170	13	2/8/50 SWS	
Bellmont	292		12,300	1972	Pennsylvanian System (sandstone)	1	346	12	10/4/54 SWS	Adequate. No records available for well capacities. Discharge rates are based on EPA Report,
						2	335	20		
						3	330	4		
Keensburg	242		11,000	1976	Sand and gravel	1	50	40	4/29/59 SWS	Adequate

83. Warren County

Alexis	945		72,000	1977	Ordovician System (Maquoketa shale and limestone, Galena-Platteville Dolomite, St. Feter Sandstone)	1 2	1,204 1,215	Standby 290	 2/4-5/52	Adequate
Kirkwood	817		46,000	1977	Ordovician System (Maquoketa shale and dolomite, Galena Dolomite)	4 5	1,069 215	35 80		Adequate
Little York	297		35,600	1977	Ordovician System (Maquoketa dolomite)	1 3	326 872	Standby 95	 7/29/69	Adequate
Monmouth	11,022		2,300,000	1977	Ordovician System (Galen3-Platteville Dolomite, St. Peter. Sandstone, Oneota Dolomite) Cambrian System (Franconia-Galesville Sandstone)	4 5 6 7 8	2,445 2,445 2,465 2,448 2,460	1,000 1,000 1,000 1,000 1,000	 12/16-17-54 SWS 11/17-18/65 SWS 	Adequate
Roseville	1,111		140,000	1975	Illinoian sand and gravel	9	*	145		Marginal. Horizontal infiltration well.

84. Washington County

Okawville	992	1,276 (1973)	66,600	1975	Sand and gravel	1 4	70 69	50 70	12/11/70 SWS 1/1/71 SWS	Adequate

85. Wayne County

Cisne	615		60,400	1977	Pennsylvanian System (sandstone)	i 2 3	225 225 232	35 35 35	7/14/48 SWS 7/11/72 SWS	Adequate
Jeffersonville	294		16,600	1977	Pennsylvanian System (sandstone)	1 2 3 	211 208.3 206 	16 4 12 	5/11/64 SWS 1/14/71 SWS 5/11/64 SWS 1/14/71 SWS 5/11/64 SWS 1/14/71 SWS	Adequate
Mt. Erie	149		10,000	1974	Pennsylvanian System (sandstone)	1 2	207 215	15 20	3/2/66 SWS 1/12/73 SWS 	Adequate

86. White County

Carmi	6,033		671,000	1976	Wabash River Valley alluvium'	1 2 3 4	98 94.2 90 99	500 500 500 500	 4/7/71 4/9/71	Adequate

Facility	Population 1970 census	Population spec. census	Average daily pumpage (gallons)	(yr)	Aquifer description	Well no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
Crossville	860		77,000	1977	Sand and gravel	1	64	200	6/14/56	Adequate
						2	50.5	200	6/19/56	
Enfield	764		37,000	1966	Pennsylvanian System (sandstone)	1	343	14	2/8/49 SWS	Adequate
						2	410	11	10/3/49 SWS	
						3	381	30	4/27/70 SWS	
						4	353	20	6/19/70 SWS	
Mill Shoals	292		18,000	1975	Sand and gravel	1	545	20	2/5/64 SWS	Adequate
						2	53	10	5/7/64 SWS	
						3	91	8	1/19/76 SWS	
						4	87.75	40	1/12/76 SWS	
Springerton	228		15,000	1975	Pleistocene Series (sand and gravel) Pennsylvanian System (sandstone)	1	120	14	10/18/66 SWS	Adequate
						.2	110	20	6/17/66 SWS	
87. Whiteside County										
Albany	942		86,500	1976	Sand and gravel	1	75	100	7/9/56 SWS	Adequate
						2	80	120	8/17/70 SWS	
Erie	1,566		130,000	1977	Pleistocene Series (sand and gravel) Ordovician System (Galena-Platteville Dolomite)	1	567	100		Adequate
						2	172	400	4/14/53 SWS	
Fulton	3,630		343,000	1977	Ordovician System (Calena-Platteville Dolomite) Cambrian System (Eau Claire & Mt. Simon Sandstones)	2	1,260	190		Adequate
						3	1,943	600		
						4	276	400		
Lyndon	673		36,000	1977	Ordovician System (Calena-Platteville Dolomite)	1	243	180	10/7/61 SWS	Adequate
						2	250	150		
Morrison	4,387		971,000	1977	Ordovician System (Galena-Platteville Dolomite) Cambrian System (Galesville Sandstone)	1	1,643	250		Adequate
						2	2,048	550	8/15/57	
						3	1,625	600		
						4	1,769	1,075	2/5/68	
Prophetstown	1,915		180,000	1977	Silurian System (Niagaran & Alexandrian dolomite)	3 Pemberthy Well	235 19 3	350 Standby	3/15/44	Adequate
Rock Falls	10,287		955,000	1976	Sand and gravel	2	136	1,000	2/20/60	Adequate
						3	70	1,000		

Sterling	]6,113		2,021,000	1974	Pleistocene Series (sand and gravel) Ordovlcian System (Galena-Platteville Dolomite, St. Peter Sandstone) Cambrian System (Galesvllle Sandstone)	1 2 3 4 6	1,430 1,655 1,830 1,630 86	590 440 475 570 750	5/24/46 SWS 4/8/47 SWS 1/3/47 SWS 8/30-31/62 SWS		Adequate
Tamplco	833		80,000	1977	Sand and gravel	1 2	173 5 3	200 200	1/10/64		Adequate
					88. Winnebago County						
Durand	972		115,000	1977	Ordovlcian System (St. Peter Sandstone) Cambrian System (Galesvllle Sandstone)	2 3	201 585	320 500	3/18/57 SWS 1/10/75 SWS		Adequate
Lake Summerset Subdivision		1,050 (Est. 1976)	117,000	1976	Ordovlcian System (St. Peter Sandstone)	1 2	277 190	200 250	5/27/69 7/19-20-77		Adequate
Loves Park	- 12,390		2,519,000	1976	Pleistocene Series (Rock River Valley alluvium) Ordovlcian System (Glenwood-St. Peter Sandstone)	1 2 3	190 190 863	2,180 2,280 850			Adequate
Mulford's Wildwood Subdivision		700 (Est. 1976)	51,000	1976	Ordovlcian System (St. Peter Sandstone)	1	531	225	8/27/57 SWS		Adequate
North Park Public Water District		18,500 (Est. 1976)	1,506,000	1976	Sand and gravel	2 3 4	195 238 240	1,250 2,000 3,500	 2/2-3/73		Adequate
Pecatonica	1,781		387,000	1977	Ordovlcian System (St. Peter Sandstone) Cambrian System (Calesville Sandstone)	1 2	660 750	425 425	3/26/54 SWS 1/10/56 SWS		Adequate
Rockford	147,370	151,478 (1974)	37,000,000	1972	Pleistocene Series (sand and gravel) Ordovician System (St. Peter Sandstone) Cambrian System (Mr. Simon Sandstone)	Croup Wells: 1 2 3 4 5 6 Unit Wells: 1 3 4 5 6	1,600 1,600 1,600 1,633 1,615 1,605 1,530 1,127 1,219 1,312 1,372	1,000 1,000 1,000 1,000 1,000 1,000 2,100 2,000 2,100 2,000 1,900	 5/5-6/65 SWS 6/5/45 2/2/61		Adequate

Faeility	Population 1970 census	Population spec. census	Average daily pumpage (gallons) (yr)	Aquifer description	Wall no.	Depth (ft)	Discharge (gpm)	Aquifer test	Aquifer assessment
					7	1,503	1,580		
					7A	200	1,700	7/26/47	
					8	1,502	1,900		
					8A	245	3,500		
					9	1,600	1,300		
					9A	237	2,000		
					10	1,426	2,100		
					11	245	2,400		
					12	245	2,500		
					13	1,457	1,550		
					14	235	4,200		
					15	1,355	1,200		
					16	1,310	1,525		
					17	1,195	2,200	1/13/65	
					18	1,380	2,300	10/17/61	
					-19	176	3,700		
					20	1,200	1,600	6/1/64	
					21	1,205	1,500		
					22	1,200	1,450	1/31/62	
					23	93	3,700	6/22/64	
					24	222	1,890		
					25	1,290	1,850		
					26	1,326	2,550		
					27	1,280	2,350	8/22/69	
					28	233	5,500	10/18/68	
					30	1,325	1,800	7/28/70	
					35	214	1,845	8/5/71	
					38	238	2,400		
					Camp Grant Well:				
					6	153.6	640	10/15-18/63 SWS	
Rockton	2,099		600,000 1977	Pleistocene Series	4	429	200		Adequate
				(sand and gravel)	5	120	750		
				Ordovician System	6	728	750	1/30/69 SWS	
				(St. Peter Sandstone)					
				Cambrian System					
				(Gaiesville Sandstone)					
South Beloit	3,804	3,895 (1974)	668,000 1976	Cambrian System	3	1,200	1,450		Adequate. Public water supply system is interconnected with Beloit, Wisconsin which has 6 wells.
				(Eau Claire Sandstone)					
				Pre-Cambrian Systen					
				(Fond du Lac Sandstone)					
Winnebago	1,285		143,000 1976	Ordovician System	2	610	240	8/4/49 SWS	Adequate
				(St. Fer.er Sandstone)	3	835	600	3/28/68 SWS	
				Cambrian System					
				(Galesville Formation)					

89. Woodford County-

Benson	490		25,100	1976	Sand and gravel	4	73	27		Adequate
						5	116	72	9/2/65 SWS	
Caterpillar Trails Public Water District		1,700 (Est. 1976)	184,000	1976	Sand and gravel	1	358	150	11/30/56 SWS	Adequate
						2	368	210	6/19/67 SWS	
Congerville	266	301 (1973)	25,000	1977	Sand and gravel	1	47	74	7/18/75 SWS	Adequate
El Paso	2,291		310,000	1977	Sand and gravel	1	120	350		Adequate
						2	120	300		
Eureka	3,026		493,000 *	1977	Sand and gravel	4	191	Standby		Adequate. At present, main water source is Eureka Lake. Wells have been used to maintain water levels in the lake, and Eureka is trying to convert to groundwater as sole source.
						5	338	600	8/7/75 SWS	
						6	370	800		
Goodfield	329		34,000	1977	Sand and gravel	1	330	50	3/4/78	Adequate
						2	320	100	12/20/63	
Low Point Water District		245 (Est. 1976)	22,500	1973	Sand and gravel	4	84	22		Adequate
						5	84	22		
Metamora	2,176		206,000	1975	Sand and gravel	5	215	170		Adequate
						6	326	300	1/28-29/60 SWS	
						7	418	400	11/21/74 SWS	
Minenk	2,267		148,000	1974	Ordovician System (Glenwood-St. Peter Sandstone)	1	1,850	100		Adequate
						2	2,005	160		
Roanoke	2,040		185,000	1975	Sand and gravel	1	39	200		Adequate
						2	42	200		
						3	52	400	9/23/63 SWS	
						4	60.5	100	4/4/74 SWS	
						5	50.5	400	7/1/74 SWS	
Secor	508		62,000	1976	Sand and gravel	2	158	85		Adequate
						3	156	100		
Washburn	1,173		145,000	1976	Sand and gravel	1	137	400		Adequate
						2	137	125		

ADDENDUM

In December 1978 the Village of Philo began purchasing water from Northern Illinois Water Corporation, the water company which services the Champaign-Urbana-Savoy area. Hence, its status is now regarded as sufficient. This change of supply occurred after the study had been concluded.